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# **THE LABOUR FORCE AUSTRALIA**

**APRIL 1987**

**CATALOGUE NO. 6203.0**

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## THE LABOUR FORCE, AUSTRALIA, APRIL 1987

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## EXPLANATORY NOTES

### Introduction

This publication contains estimates of the civilian labour force derived from the labour force survey part of the monthly population survey. Estimates of the labour force characteristics of family members and of family composition are also included.

2. Estimates of the civilian labour force are available for about fifty regions across Australia and are shown in various publications produced by State offices of the ABS. For details, see the list of related publications provided in paragraph 74.

3. Preliminary survey results are published in advance of this more detailed publication in *The Labour Force, Australia, Preliminary* (6202.0).

4. Although emphasis in the population survey is placed on the regular collection of specific data on demographic and labour force characteristics of the population, supplementary and special surveys of particular aspects of the labour force or of other subjects are carried out from time to time. Statistics from these surveys are published and are available on request. A list of survey publications on labour force and related topics is shown later in this publication.

### The population survey

5. The population survey is based on a multi-stage area sample of private dwellings (about 35,000 houses, flats, etc.) and non-private dwellings (hotels, motels, etc.), and covers about two-thirds of one per cent of the population of Australia. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The interviews are generally conducted during the two weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the survey week).

### Scope

6. The labour force survey includes all persons aged 15 and over except:

- (a) members of the permanent defence forces;
- (b) certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations;
- (c) overseas residents in Australia; and
- (d) members of non-Australian defence forces (and their dependents) stationed in Australia.

### Coverage

7. In the labour force survey, coverage rules are applied which aim to ensure that each person is associated with only one dwelling, and hence has only one chance of selection. The coverage rules are, necessarily, a balance

between theoretical and operational considerations. Nevertheless, the chance of a person being enumerated at two separate dwellings in the one survey is considered to be negligible. See paragraph 68 for information about the effect of the coverage rules on family statistics.

8. Persons who are away overseas from their usual residence for less than six weeks at the time of interview are generally enumerated at their usual residence when relevant information can be obtained from other usual residents present at the time of the survey. Persons who, at the time of interview, are overseas for six weeks or more but for less than twelve months are included in the estimates on the assumption that their labour force characteristics are similar to those of the persons responding in the survey.

### Definitions

9. The labour force category to which a person is assigned depends on the *actual activity* undertaken during the survey week (i.e. whether working, looking for work, etc.). The following definitions, which conform closely to the international standard definitions specified by the International Labour Office (ILO), relate only to those persons within the scope of the survey.

10. *Employed persons* comprise all those aged 15 and over who, during the survey week:

- (a) worked for one hour or more for pay, profit, commission or payment in kind in a job or business, or on a farm (including employees, employers and self-employed persons); or
- (b) worked for one hour or more without pay in a family business or on a farm (i.e. unpaid family helpers); or
- (c) were employees who had a job but were not at work and were: on paid leave; on leave without pay for less than four weeks up to the end of the survey week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than four weeks up to the end of the survey week; on strike or locked out; on workers' compensation and expected to be returning to their job; or receiving wages or salary while undertaking full-time study; or
- (d) were employers, self-employed persons or unpaid family helpers who had a job, business or farm, but were not at work.

11. *Full-time workers* are those who usually work 35 hours or more a week and others who, although usually part-time workers, worked 35 hours or more during the survey week. *Part-time workers* are those who usually work less than 35 hours a week and who did so during the survey week. When recording hours of work, fractions of an hour are disregarded.

12. *Hours of work*. The figures of aggregate hours and of average hours refer to actual hours worked during the survey week, not hours paid for. The figures may be affected by public holidays, leave, absenteeism; temporary

absence from work due to sickness, injury, accident and industrial disputes; and stoppages of work due to bad weather, plant breakdown, etc. When hours of work are recorded, fractions of an hour are disregarded and this results in slightly lower figures than would be the case if actual time worked was recorded. Persons stood down for the whole of the survey week without pay because of bad weather or plant breakdown at their place of employment are regarded as employed and therefore are included (working no hours) in the calculation of average hours worked. Persons stood down in the survey week for reasons other than bad weather and plant breakdown and waiting to be called back to their job are regarded as unemployed and are therefore excluded from the calculations.

13. The *employment/population ratio* for any group is the number of employed persons expressed as a percentage of the civilian population aged 15 and over in the same group.

14. *Unemployed persons* are those aged 15 and over who were not employed during the survey week, and

(a) had actively looked for full-time or part-time work at any time in the four weeks up to the end of the survey week and:

(i) were available for work in the survey week, or would have been available except for temporary illness (i.e. lasting for less than four weeks to the end of the survey week); or

(ii) were waiting to start a new job within four weeks from the end of the survey week and would have started in the survey week if the job had been available then;

or (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than four weeks up to the end of the survey week (including the whole of the survey week) for reasons other than bad weather or plant breakdown.

15. *Actively looking for work* includes writing, telephoning or applying in person to an employer for work; answering a newspaper advertisement for a job; checking factory or Commonwealth Employment Service noticeboards; being registered with the Commonwealth Employment Service; checking or registering with any other employment agency; advertising or tendering for work; and contacting friends or relatives. The active steps were asked in the order shown in the table in this publication showing unemployed persons classified by active steps taken, and since only one response was recorded for each person asked this particular question, the estimates do not reflect the relative importance of the steps taken to find work.

16. *Unemployed persons looking for first job* are those who had never worked full time for two weeks or more.

17. The *unemployment rate* for any group is the number unemployed expressed as a percentage of the labour force (i.e. employed plus unemployed) in the same group.

18. *Duration of unemployment* is the period from the time the person began looking for work or was stood down to the end of the survey week. Thus the survey measures current (and continuing) periods of unemployment rather than completed spells. For persons who may have begun looking for work while still employed, the duration of unemployment is defined as the period from the time the person last worked full time for two weeks or more to the end of the survey week. Periods of unemployment are recorded in complete weeks and this results in a slight understatement of duration. *Average (mean) duration* is obtained by dividing the aggregate number of weeks a group has been unemployed by the number of persons in that group. *Median duration* is the duration which divides unemployed persons into two equal groups, one comprising persons whose duration of unemployment is above the median and the other, persons whose duration is below it.

19. *Unemployed persons classified by industry and occupation.* Unemployed persons who had worked full time for two weeks or more in the last two years are classified according to the industry and occupation of their most recent full-time job. *Unemployment rates* by industry and occupation are only available for February, May, August and November.

20. The *labour force* comprises all persons who, during the survey week, were employed or unemployed, as defined above.

21. *Persons not in the labour force* are those who, during the survey week, were not in the categories employed or unemployed, as defined above. They include persons who were keeping house (unpaid), attending an educational institution (school, university, etc.), retired, voluntarily inactive, permanently unable to work, persons in institutions (hospitals, gaols, sanatoria, etc.), trainee teachers, members of contemplative religious orders, and persons whose only activity during the survey week was jury service or unpaid voluntary work for a charitable organisation. Specific surveys of persons not in the labour force indicate that a number want to work but are not classified as unemployed because they were not actively looking for work and/or were not available to begin work in the survey week. Included in this group are the discouraged jobseekers and other persons marginally attached to the labour force.

22. The *labour force participation rate* for any group is the labour force expressed as a percentage of the civilian population aged 15 and over in the same group. Because it is not practicable to ascertain information about school attendance or birthplace for persons in institutions (who are classified as not in the labour force), labour force participation rates for persons classified by school attendance or birthplace are calculated using population estimates which exclude those in institutions.

23. *Persons attending school* comprise those aged 15 to 20 who, during the survey week, were enrolled full time at secondary or high schools. Excluded are persons who were enrolled at universities, colleges of advanced education, technical colleges, other tertiary educational institutions, and coaching and business schools. Persons attending school are classified as in the labour force if

they were employed or unemployed as defined above. Because it is not practicable to ascertain from persons in institutions (who are classified as not in the labour force) whether or not they are enrolled at secondary or high schools, such persons are excluded from estimates classified by school attendance.

24. Persons classified by *labour force status* are classified according to whether or not they are in the labour force. Persons in the labour force classified by *employment status* are classified according to whether they are employed or unemployed. The February, May, August and November issues of this publication include tables showing estimates of employed persons, obtained from the labour force survey, classified by *status of worker* i.e. whether they were employers, self-employed persons, wage and salary earners (employees), or unpaid family helpers.

25. *Industry* is classified according to the *Australian Standard Industrial Classification (ASIC) 1983* (1201.0 and 1202.0) and *occupation* according to the *Australian Standard Classification of Occupations (ASCO) 1986* (1222.0).

26. Occupational data classified to ASCO was introduced for the August 1986 survey, replacing the *Classification and Classified List of Occupations (CCLO), Revised November 1980* used in previous surveys. The new classification relies on the level and specialisation of skill required to satisfactorily perform primary tasks as its classificatory variable and is therefore significantly different from the previous classification. The appendix in the August 1986 issue of this publication contains a more detailed explanation of the concepts and structure underlying the classification.

27. A matrix of the two classifications at the broadest classification level (Major Group) was given in Table 41 of the August 1986 issue of this publication. The estimates contained in the matrix were derived from a subsample of respondents in the May 1986 Labour Force Survey. The responses to questions on the occupations of employed persons were coded to both ASCO and CCLO classifications and the matrix was produced by cross-classifying ASCO Major Groups by CCLO Major Groups. A similar matrix, but on the basis of Minor Groups, is available also. More information is available on request from the contact officer whose name appears on the front of this publication.

28. In the labour force survey, persons are classified as *married* or *not married*. Marital status is determined from information supplied by the respondent about the individual himself or herself and, where the person was reported as being married, about the living arrangements of persons usually resident in the household. Therefore, marital status does not necessarily reflect legal status. Persons are classified as married if they are reported as being married (including de facto) and their spouse was a usual resident of the household at the time of the survey. The not-married category comprises persons who have never married, or are separated, widowed or divorced, as well as those who, although reported as being married, did not have a spouse who usually lived in the household. Persons who live in a de facto relationship but do not volunteer this information when asked whether they are married are classified as not married. For details of discontinuities in estimates of marital status, see paragraph 43.

29. The determination of *family relationships* and composition is complex, involving many factors. The following description outlines the major principles used for this survey. A *family* is defined to consist of two or more related persons usually resident in the same household at the time of the survey. A family comprises a married couple or a family head (as defined in paragraph 31) together with any persons having any of the following relationships to them:

- (a) sons or daughters of any age, if not married and with no children of their own present;
- (b) other relatives if not accompanied by a spouse, sons or daughters, or parents of their own; or
- (c) any children under 15 years of age who do not have a parent present.

30. The following points should be noted in relation to the definition of a family in the previous paragraph:

- (a) the term *relationship* includes relationships by blood, marriage or adoption;
- (b) a family, as defined, can contain no more than two married persons, and can contain two married persons only if these persons are husband and wife (referred to as *married-couple families*);
- (c) *other families* are families other than married-couple families as defined above. From the definition of married and not married in paragraph 28 it can be seen that the heads of other families must, by definition, be not married. In addition to one-parent families, this category includes families in which there is no parent, for example a family head living with a brother or sister;
- (d) persons are defined as *not a member of a family* if they are not related to any other member of the household in which they are living. A person is considered to be *living alone* if he or she is the sole member of a household. Thus, a person who is the sole occupant of a self-contained flat attached to another dwelling is considered to be living alone;
- (e) the terms *usually reside* and *present* are synonymous, and refer to persons who were identified by the respondent as usual residents of the household at the time of the survey.

31. The *family head* of an *other family* is the parent in the case of a one-parent family or, in the case of other groups of related persons, is generally defined to be the eldest person in the family. No family head is defined for a married-couple family.

32. *Dependents* (previously described as *dependent children*) comprise all family members under 15 years of age; all family members aged 15 to 19 attending school; and all family members aged 15 to 24 who are full-time students at a tertiary or further educational institution.

33. The areas determining the six *State capital cities* are the Statistical Divisions for those capital cities defined in *Census of Population and Housing 30 June 1981, Persons and Dwellings in Local Government Areas and Urban Centres (Preliminary)* (2401.0-2408.0). Capital City Statistical Divisions are predominantly urban in character and the boundaries are delineated to contain the anticipated urban development of the capital cities (and associated urban centres) for a period of at least 20 years.

#### Population benchmarks

34. Labour force survey estimates of persons employed, unemployed and not in the labour force are calculated in such a way as to add up to the independently estimated distribution of the population aged 15 and over by age and sex. This procedure compensates for under-enumeration in the survey, and leads to more reliable estimates. The independent population statistics (benchmarks) are the latest available estimates at the time the labour force survey is conducted, but they usually differ from the official population estimates subsequently published in *Australian Demographic Statistics* (3101.0) because they are necessarily derived from incomplete information about population changes.

#### Revision of series

35. Survey estimates are not revised for the usually small amendments of population benchmarks arising from new data on deaths and overseas and internal migration. Revisions are made, however, after each census of population and housing, and when population estimation bases are reviewed. The last such revision was made in February 1984 to take account of the results of the 1981 Census, which affected all the monthly estimates from February 1978 to January 1984.

36. Following the change in official population estimates to a place of usual residence basis after the 1981 census, the population benchmarks used in the estimation of labour force survey data are compiled according to place of usual residence. For an explanation of the conceptual basis of population estimates see *Population Estimates: An Outline of The New Conceptual Basis of ABS Population Estimates* (3216.0). To coordinate with the new benchmarks, the labour force survey questionnaire was changed in October 1982 to enable identification of each respondent's place of usual residence. The estimates shown in this publication are thus wholly according to place of usual residence. Prior to October 1982, the estimates are based on a combination of place of enumeration and place of usual residence.

37. Until February 1978, surveys were conducted in February, May, August and November each year from 1964. From February 1978 the survey has been conducted on a monthly basis.

38. The questionnaire used in the survey for the collection of labour force data has been revised a number of times, the latest occasion being for the April 1986 survey. Details of these changes have been published in *Information Paper: Questionnaires Used in the Labour Force Survey* (6232.0) in March 1978, December 1981, August 1984 and June 1986.

39. The latest revision to the questionnaire, in April 1986, follows the extension of the definition of employed persons to include persons who worked without pay

between 1 and 14 hours per week in a family business or on a farm (i.e. unpaid family helpers). This new definition aligns the Australian labour force concepts with a set of changed international definitions adopted by the International Labour Office at the 13th Conference of Labour Statisticians in October 1982.

40. Previously, such persons who worked 1 to 14 hours, or who had such a job but were not at work, were defined as either unemployed or not in the labour force, depending on whether they were actively looking for work. In this issue, estimates for March 1986 are on the old basis, and estimates for April 1986 and later months are based on the new definition. In order to assist users to assess the impact of the change, estimates for March 1986 based on the new definition are shown in footnotes to Tables 1 and 2.

41. A revised procedure for weighting of families estimates as presented in this publication was also introduced in April 1986. Additional tables were included in the April 1986 issue of this publication to show the impact of this new procedure. Paragraph 70 contains more details.

#### Comparability of series

42. As noted in paragraphs 35 and 36, estimates from February 1978 have been revised to conform to revised population estimates following the 1981 Census, and are thus not strictly comparable with estimates for periods prior to February 1978 which have not been revised. The appendix to the February 1984 issue of this publication contains adjustment factors enabling users to calculate the expected effect of the revisions to estimates for periods prior to February 1978.

43. Paragraph 28 outlines the definition of marital status now used in the labour force survey. In conjunction with the revision of estimates back to February 1978 to conform to revised population estimates, a revision to take account of the new definition of marital status was also applied. Consequently, estimates of marital status contained in this publication are not comparable with estimates published before the February 1984 issue which classified as married all respondents who reported that they were married or separated. The revision to the marital status classification was undertaken in two parts. First, for all surveys from February 1978, persons who reported that they were separated, were reclassified as not married. Second, from June 1983 onwards, the not-married category was expanded to also include persons who, although reported as married, did not have a spouse who was a usual resident of the household at the time of the survey.

44. Comparability with estimates produced from the quarterly survey of employment and earnings is affected by the use of a different survey methodology and definitions. The labour force survey provides estimates of people in jobs whereas the survey of employment and earnings provides an estimate of the number of jobs held by wage and salary earners. A more detailed description of the differences between these two series is provided in *Information Paper: Comparison of Employment Estimates from the Labour Force Survey and the Survey of Employment and Earnings* (6263.0).

### Survey sample

45. For detailed information on sample design and selection see the Technical Note in *The Labour Force, Australia: Historical Summary, 1966 to 1984* (6204.0).

46. The population survey sample is reselected every five years to allow data from the latest census of population and housing to be used to improve the efficiency of the population survey sample design. The latest reselection, which used data from the 1981 census, was introduced for the October 1982 survey.

47. The sampling fraction differs for States and Territories. This enables estimates of reasonable accuracy to be produced from all States and Territories as well as for Australia. Sampling fractions for each State and Territory are as follows: New South Wales and Victoria, 1 in 200; Queensland, 1 in 140; Western Australia, South Australia, Northern Territory and Australian Capital Territory, 1 in 100; and Tasmania, 1 in 60.

### Reliability of the estimates

48. Estimates in this publication are subject to two sources of error:

- (a) sampling error: since the estimates are based on information obtained from occupants of a sample of dwellings they, and the movements derived from them, may differ from the figures that would have been produced if all dwellings had been included in the survey. More information on this topic is given in the Technical Note; and
- (b) non-sampling error: inaccuracies may occur because of imperfections in reporting by respondents and interviewers and errors made in coding and processing data. These inaccuracies may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

### Differences between population census and population survey estimates

49. The results of the 1981 Census of Population and Housing show that labour force figures derived from the census differ from estimates derived from the labour force surveys.

50. The broad concepts underlying the measures of the labour force and its components, employment and unemployment, are similar in the census and the surveys. However there are considerable differences in both the collection methodology adopted (including the detailed questions asked) and estimation procedures. Factors contributing to differences in estimates include under-enumeration in the population census for which census labour force estimates have not been adjusted, the use in the labour force survey of population benchmarks derived from incomplete information about population change (see paragraph 34), the inclusion of permanent defence forces in census estimates, the personal interview approach adopted in the survey as opposed to self-enumeration of census schedules, differing questions used to determine labour force characteristics (particularly the identification

of unemployed persons) and differing methods of adjustment for non-response to the survey or census.

51. The labour force survey provides detailed and up-to-date estimates of employment and unemployment for Australia and States, whereas the census of population and housing provides counts for small areas but in less detail than is available from the survey.

52. These considerations should be borne in mind if comparisons are made between population census and labour force survey estimates.

### Seasonal adjustment

53. Seasonally adjusted series are published in Table 2. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not remove the irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile can still make it difficult to interpret the movement of the series even after adjustment for seasonal variation.

54. As happens with all seasonally adjusted series, the seasonal factors are reviewed annually to take account of each additional year's original data. The latest review, in February 1987, revised the monthly series back to February 1978. Information about the method of adjustment and revised seasonally adjusted figures for all months since June 1981 were published in the appendix to the February 1987 issue of this publication.

### Trend estimation

55. Smoothing seasonally adjusted series produces a measure of trend by reducing the impact of the irregular component of the series. The trend estimates are derived by applying a 13-term Henderson-weighted moving average to the respective seasonally adjusted series. These trend series are used to analyse the underlying behaviour of the series over time. Table 3 shows trend estimates for the past 14 months, while the appendix to the March 1987 issue of this publication showed estimates back to February 1978. Trend series graphs are shown on pages 8 to 12.

56. While this smoothing technique enables estimates to be produced which include the latest month, it does result in revisions to the most recent months as additional observations become available. Generally, subsequent revisions become smaller, and after three months have a negligible impact on the series. There will also be revisions as a result of the annual review of seasonal factors mentioned above in paragraph 54.

57. Users may wish to refer to the ABS Information Papers *A Guide to Smoothing Time Series — Estimate of 'Trend'* (1316.0), and *Time Series Decomposition — an Overview* (1317.0) for more detailed information on producing trend estimates by smoothing seasonally adjusted time series data.

### Month-to-month movements

58. Care should be taken in the interpretation of month-to-month movements in these estimates. Survey estimates are subject to sampling and non-sampling variability as explained in paragraph 48. Particular care should be taken in the interpretation of the seasonally adjusted series in this publication, as a short-term movement cannot be assumed to indicate a change in trend.

### Gross flows

59. In order to minimise respondent burden and at the same time maintain continuity within the population survey sample, one eighth of the dwellings in the sample (except the large non-private dwellings) are replaced after each survey. Adoption of this rotation procedure, whereby about seven-eighths of the sample remains unchanged from one month to the next, enables more reliable measurements of changes in the labour force characteristics of the population to be made than would be possible if a new sample were introduced each month.
60. Because a high proportion of private dwellings selected in one survey remains in the sample for the following survey, it is possible to match the characteristics of most of the persons in those dwellings from one month to the next, to record any changes that occur, and hence to produce estimates of *flows* between the different categories of the population and labour force.
61. The procedures used to select persons in non-private dwellings preclude the possibility of matching any of them who may be included in successive surveys. For this, and other reasons, including the mobility of the population and non-response in either or both surveys, about 10 per cent of persons in those dwellings which are included in the sample in successive months cannot be matched. Those who can be matched represent about 80 per cent of all persons in the survey.
62. Changes in the characteristics of this latter group are shown in the gross flows table. About one half of the remaining (unmatched) 20 per cent of persons in the survey are likely to have characteristics similar to those in the matched group, but the characteristics of the other half are likely to be somewhat different.
63. Gross flow estimates relate only to those persons in private dwellings for whom information was obtained in successive surveys. The expansion factors used in calculating the estimates were those applying to the second of each pair of months.
64. Although it is not possible to provide gross flow estimates for all persons in the survey it is considered that the estimates derived from matched records will be a useful guide to the magnitude of the movements between categories which underlie the changes in monthly levels. When comparing flows for different periods it is important to take into account the population represented by the matched sample, as shown in the last line of the table.
65. While every effort is made to reduce non-sampling errors to a minimum, any such errors affecting labour force status will tend to accumulate in the gross flow statistics rather than to cancel out. The estimates are also subject to sampling variability, as explained in the Technical Note. For these reasons the estimates of flows should be used with caution. The standard errors may be obtained from Table A of the Technical Note.
66. Estimates of total flows into or out of the employed category may be less than the sum of the estimates for employed full time and employed part time as the estimates for the latter two categories include movements between these two categories.

### Labour force status and other characteristics of families

67. As a part of survey procedures, family relationships are determined each month, enabling both the estimation of persons cross-classified by their family status and the estimation of families. This publication contains tables showing the labour force status and family status of individuals and families classified by family type, number of family members, the labour force status of persons within families, the number of children aged 0-14 present, and from the May 1986 issue onwards, the number of dependents present.
68. Because of the coverage rules of the population survey which associate persons with particular dwellings so that each person has an equal chance of selection in the survey, persons who usually live with other members of their family may, at the time of the survey, be enumerated as not living with all the usual members of their family. This situation is more likely for persons who are enumerated as visitors to other private dwellings or as persons staying in non-private dwellings (hotels, caravan parks, hospitals, etc.). The determination of family structure and family characteristics in such cases is most difficult. Thus, family information is not obtained for the following persons:
- (a) all persons enumerated in non-private dwellings (including hotels, motels, hospitals and other institutions); and
  - (b) persons enumerated as visitors to (rather than usual residents of) private dwellings.
69. In addition, in those private dwellings where it is not possible to obtain information relating to all the usual residents, no family information is recorded. Thus the family characteristics of persons living in families which include a member of the permanent defence forces, who is outside the scope of the population survey, are not determined because family information cannot be obtained from each usual resident. Similarly, families in which one or more members are away from the usual residence at the time of the survey are also excluded from family determination. A summary of those persons for whom family information is obtained as well as those usual residents of private dwellings for whom complete family information cannot be obtained, and those persons specifically excluded from the family determination procedures is contained in the family tables. Generally, family status is determined for more than 90 per cent of all civilians aged 15 and over.
70. Estimates of the number of families in this publication differ from those in publications prior to the April 1986 issue. This is due to the adoption of a new weighting procedure where the weight for a family is determined using an average of the weights for all family members responding to the labour force survey. Previously, the weight used to derive estimates of the number of families was determined by nomination of a proxy 'head of household' as representative of the family.
71. Revised data for March using the new weighting procedure for families and the revised definition of employed persons were shown in the April 1986 issue of this publication. Revised data for March using the new weighting procedure for families and the old definition of

employed persons as well as data using the old weighting procedure for families and the new definition for employed persons are available on request.

#### Additional data

72. Estimates for employed persons classified by industry, occupation and status of worker are available each February, May, August and November, and the following tables are published in issues of this publication for those months:

Employed persons—  
 Industry and occupation—  
     Full-time and part-time workers  
     Status of worker  
     Age and birthplace  
 Hours worked  
 Industry by occupation  
 Industry subdivisions  
 Major and minor occupation groups.

73. In some cases, the ABS can also make available information which is not published. This information may be made available in one or more of the following forms: microfiche, photocopy, data tape, computer print-out, manually-extracted tabulation. In general, a charge is made for providing unpublished information. Inquiries should be made to the officer whose name appears in the *Phone Inquiries* section at the front of this publication, or to Information Services in the nearest ABS Office.

#### Related publications

74. Users may also wish to refer to the following publications which relate to the labour force and are available on request:

*The Labour Force, Australia, Preliminary* (6202.0)—issued monthly

*The Labour Force, Australia: Historical Summary, 1966 to 1984* (6204.0)

*The Labour Force (Including Regional Estimates), New South Wales* (6201.1)—issued quarterly

*The Labour Force, Victoria* (6201.2)—issued monthly

*The Labour Force, Victorian Regions* (6202.2)—issued quarterly

*Information Paper, Victorian Labour Force Statistics* (6262.2)

*The Labour Force, Queensland* (6201.3)—issued quarterly

*The Labour Force: Regional Estimates, Queensland* (6204.3)—issued quarterly

*The Labour Force, South Australia* (6201.4)—issued quarterly

*The Labour Force, Regional Estimates, Western Australia* (6201.5)—issued quarterly

*Labour Force Statistics, Tasmania 1985* (6201.6)

*Monthly Summary of Statistics, Tasmania* (1303.6)—issued monthly

*Labour Statistics, Australia, 1985* (6101.0)—issued annually

*A Guide to Labour Statistics* (6102.0)

*Information Paper: Questionnaires used in the Labour Force Survey, June 1986* (6232.0)

*Employed Wage and Salary Earners, Australia* (6248.0)—issued quarterly

*Persons Not in the Labour Force, Australia* (6220.0)—issued twice-yearly

*Labour Force Status and Other Characteristics of Families, Australia, June 1986* (6224.0)—issued annually

*Social Indicators No. 4, 1984* (4101.0);

*Information Paper: Comparison of Employment Estimates From the Labour Force Survey and the Survey of Employment and Earnings* (6263.0)

*A Guide to Smoothing Time Series — Estimates of 'Trend'* (1316.0)

*Time Series Decomposition — an Overview* (1317.0)

75. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

#### Symbols and other usages

- \* subject to sampling variability too high for most practical uses. See paragraph 6 of the Technical Note
- n.a. not available
- .. not applicable
- n.e.c. not elsewhere classified
- r revised

76. Figures have been rounded and discrepancies may occur between sums of the component items and totals.

#### Electronic services

77. VIATEL. Key \*656# for selected current economic, social and demographic statistics.

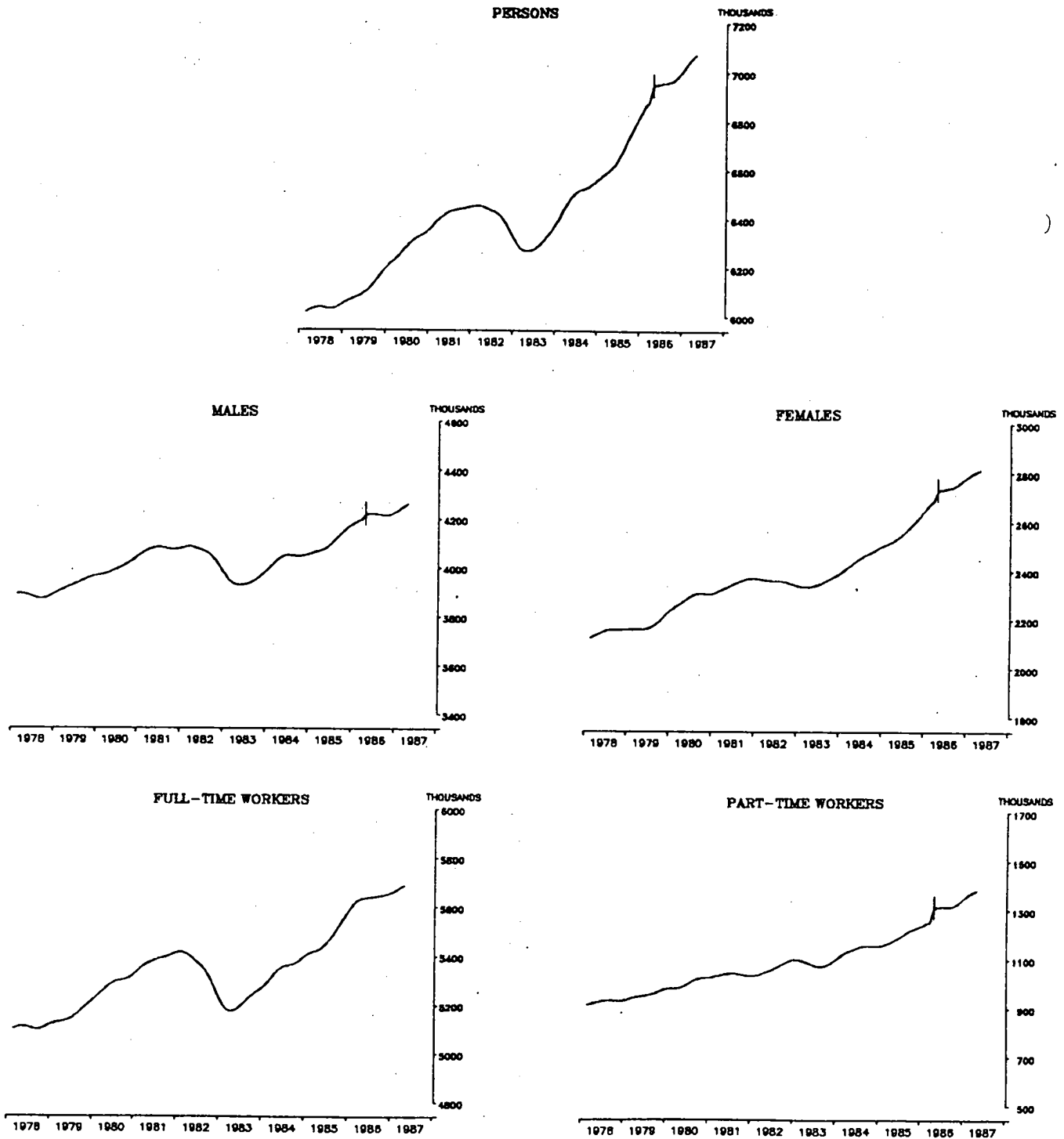
AUSSTATS. Thousands of up-to-date time series are available on this ABS on-line service through CSIRONET.

For further information phone the AUSSTATS Help Desk on (062) 52 6017.

TELESTATS. This service provides foreign trade statistics tailored to users' requirements.

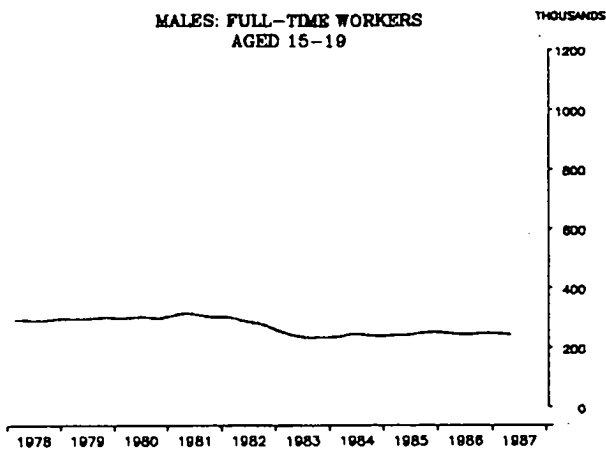
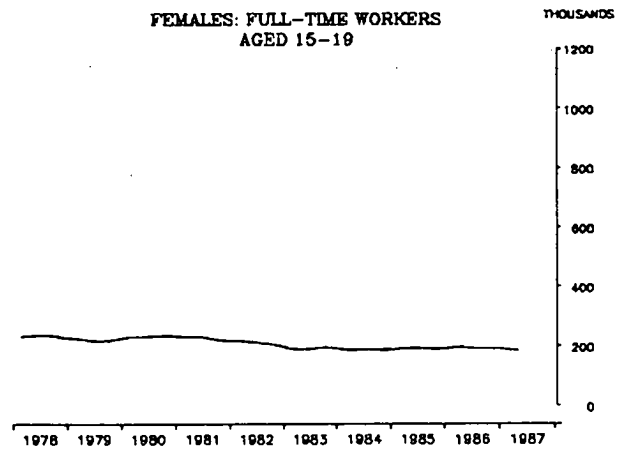
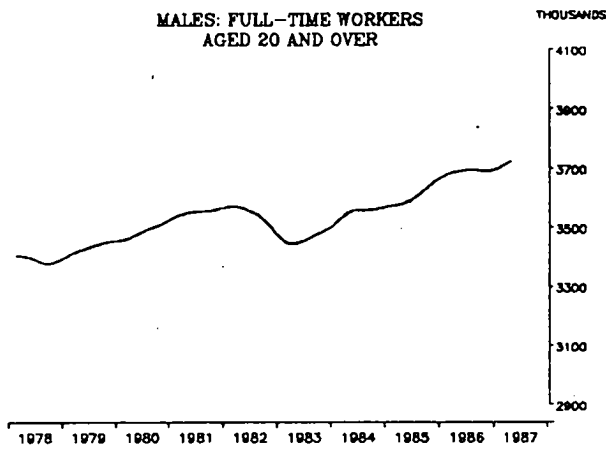
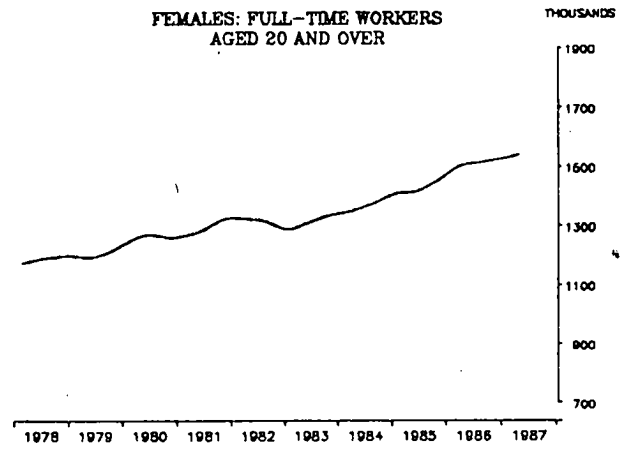
Further information is available on (062) 52 5404.

IAN CASTLES  
 Australian Statistician

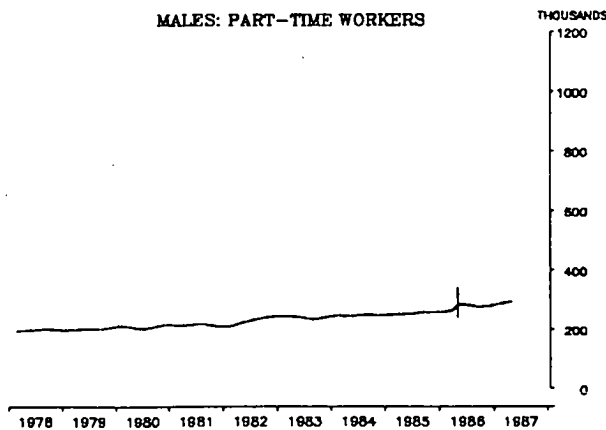
**EMPLOYED PERSONS: TREND SERIES**

| Indicates break in series. Estimates for the period prior to April 1986 are based on the old definition. See paragraphs 39 and 40 of the Explanatory Notes.

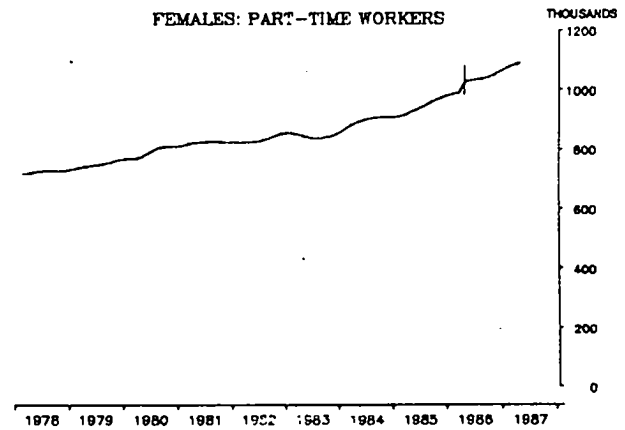
## EMPLOYED PERSONS: TREND SERIES

MALES: FULL-TIME WORKERS  
AGED 15-19FEMALES: FULL-TIME WORKERS  
AGED 15-19MALES: FULL-TIME WORKERS  
AGED 20 AND OVERFEMALES: FULL-TIME WORKERS  
AGED 20 AND OVER

MALES: PART-TIME WORKERS

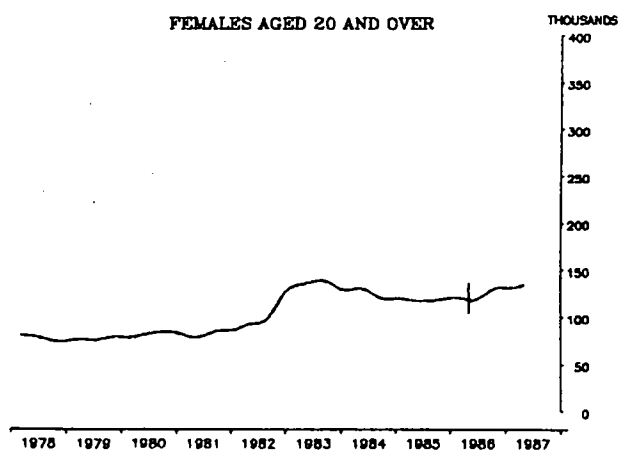
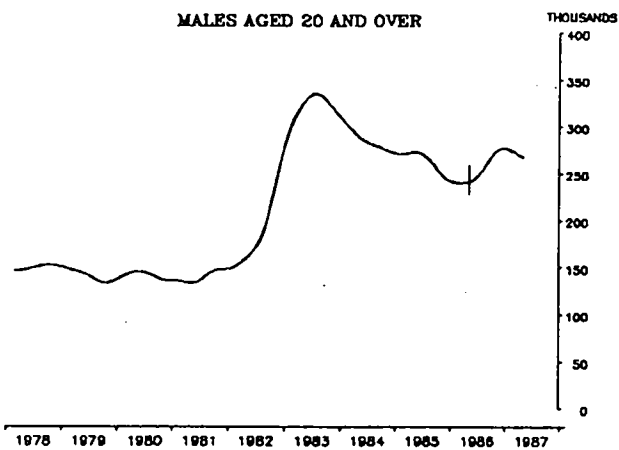
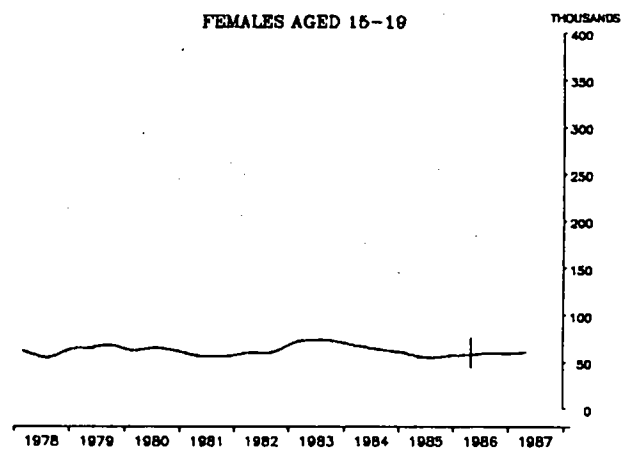
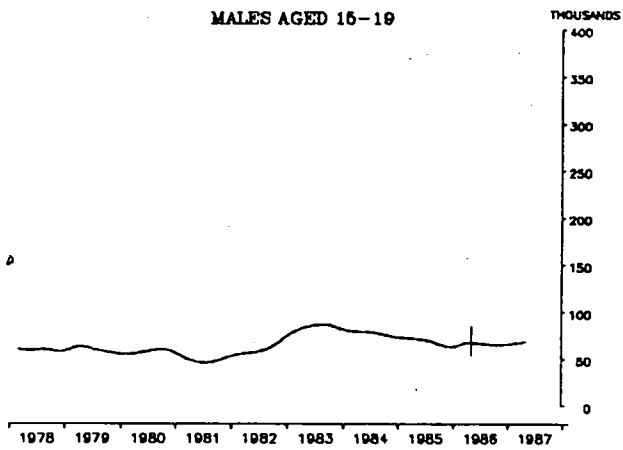
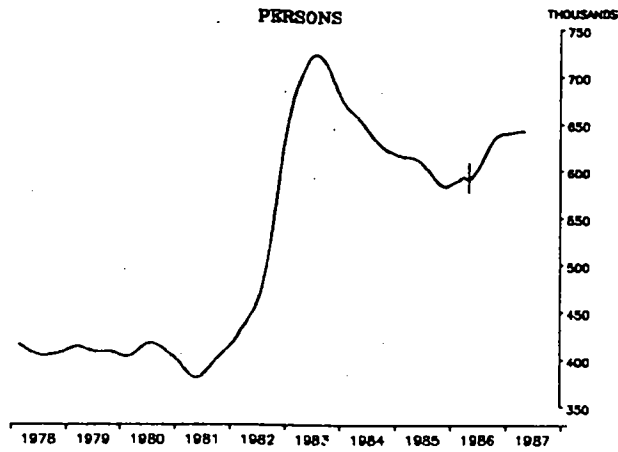


FEMALES: PART-TIME WORKERS



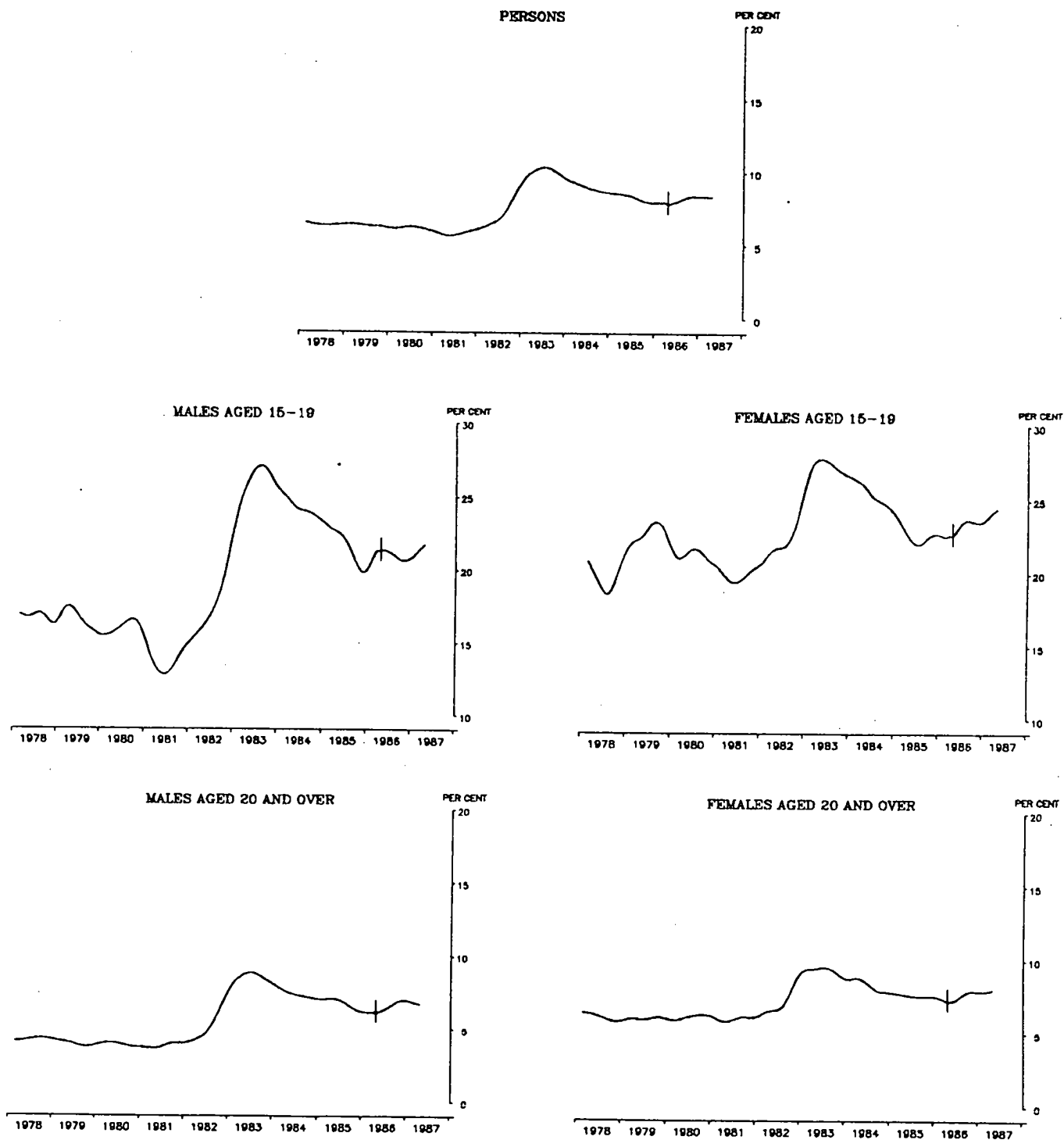
Indicates break in series. Estimates for the period prior to April 1986 are based on the old definition. See paragraphs 39 and 40 of the Explanatory Notes.

# UNEMPLOYED PERSONS: TREND SERIES



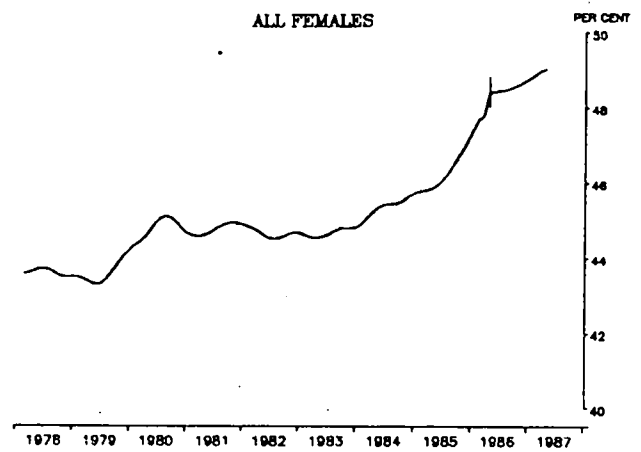
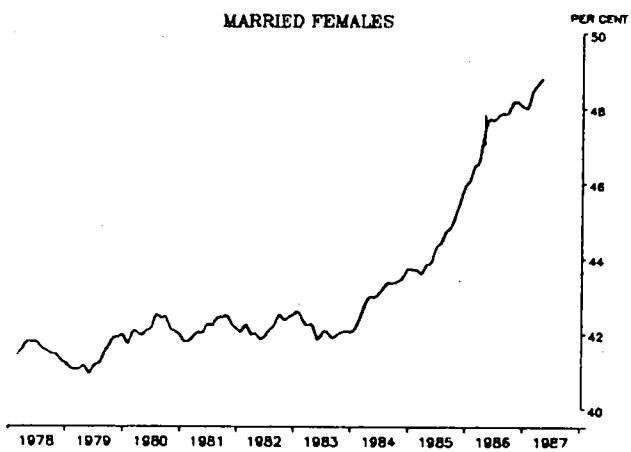
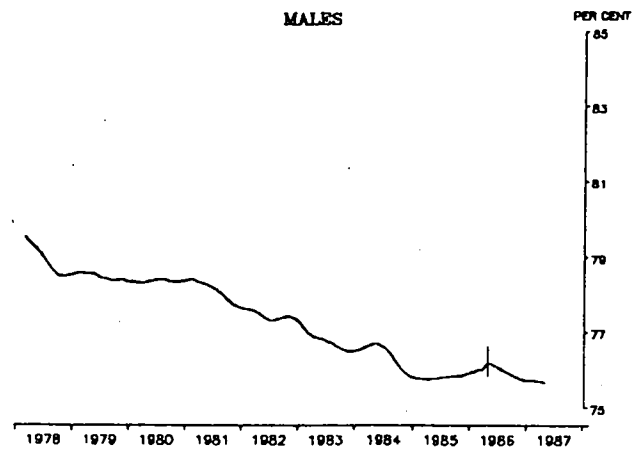
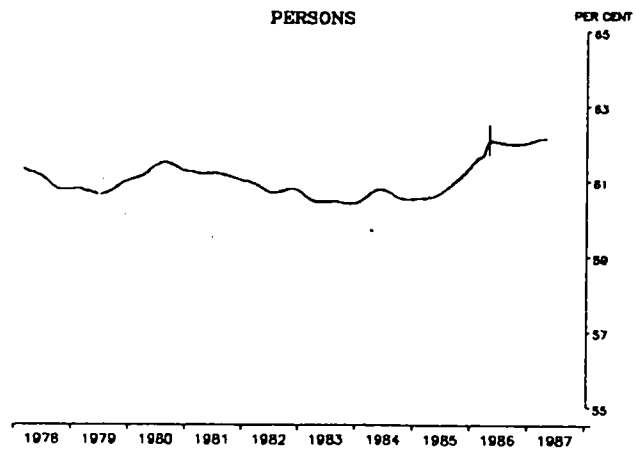
Indicates break in series. Estimates for the period prior to April 1986 are based on the old definition. See paragraphs 39 and 40 of the Explanatory Notes.

## UNEMPLOYMENT RATE: TREND SERIES



| Indicates break in series. Estimates for the period prior to April 1986 are based on the old definition. See paragraphs 39 and 40 of the Explanatory Notes.

## PARTICIPATION RATE: TREND SERIES



Indicates break in series. Estimates for the period prior to April 1986 are based on the old definition. See paragraphs 39 and 40 of the Explanatory Notes.

# TABLES



TABLE 1. LABOUR FORCE STATUS OF THE CIVILIAN POPULATION AGED 15 AND OVER (continued)

Month	Employed		Unemployed		Looking for full-time work		Labour force	Not in labour force	Civilian population aged 15 and over	Unemployment rate	Participation rate
	Full-time workers	Total	Aged 15-19 looking for first job	Total	Looking for part-time work	Total					
- '000 -											
- per cent -											
ALL FEMALES											
1986 -											
March(a)	1,699.2	2,713.3	27.8	191.8	96.4	288.2	3,001.5	3,152.1	6,153.6	9.6	48.8
April	1,705.5	2,744.9	17.1	179.6	88.6	268.2	3,013.2	3,150.2	6,163.4	8.9	48.9
May	1,701.6	2,740.4	20.0	174.5	81.3	255.8	2,996.2	3,177.1	6,173.3	8.5	48.5
June	1,684.3	2,739.5	17.3	164.1	77.8	241.9	2,981.4	3,201.9	6,183.2	8.1	48.2
July	1,703.5	2,753.7	21.4	173.5	78.9	252.4	3,006.1	3,189.4	6,195.5	8.4	48.5
August	1,680.7	2,705.9	19.5	170.8	76.9	247.6	2,953.6	3,253.1	6,206.7	8.4	47.6
September	1,711.2	2,770.4	14.9	184.4	84.7	269.1	3,039.5	3,178.5	6,218.0	8.9	48.9
October	1,717.9	2,776.5	16.5	171.0	78.1	249.1	3,025.6	3,205.2	6,230.7	8.2	48.6
November	1,716.7	2,798.0	18.5	169.1	69.3	238.4	3,036.4	3,207.1	6,243.5	7.9	48.6
December	1,739.7	2,818.7	30.4	197.4	72.6	269.9	3,088.6	3,167.7	6,256.3	8.7	49.4
1987 -											
January	1,719.8	2,684.6	35.3	204.2	64.7	269.0	2,953.6	3,314.3	6,267.9	9.1	47.1
February	1,717.6	2,767.3	29.3	218.3	85.9	304.2	3,071.5	3,207.9	6,279.5	9.9	48.9
March	1,733.6	2,835.0	22.9	211.0	106.3	317.3	3,152.3	3,138.8	6,291.0	10.1	50.1
April	1,726.2	2,822.4	20.9	203.7	91.1	294.8	3,117.2	3,184.9	6,302.1	9.5	49.5
Standard error of -											
April 1987											
estimates	11.7	13.8	2.0	5.3	3.8	6.1	14.2	14.3	..	0.2	0.2
Mar 87 to Apr 87											
movements	9.3	11.2	1.9	4.2	3.3	4.9	11.7	11.7	..	0.2	0.2
PERSONS											
1986 -											
March(a)	5,638.5	6,926.3	58.1	506.7	133.7	640.4	7,566.7	4,555.1	12,121.7	8.5	62.4
April	5,620.1	6,962.1	38.4	485.1	121.8	606.9	7,569.0	4,572.3	12,141.3	8.0	62.3
May	5,615.8	6,944.5	38.7	483.3	108.9	592.2	7,536.7	4,624.1	12,160.9	7.9	62.0
June	5,634.9	6,972.7	35.8	457.0	104.8	561.9	7,534.6	4,646.0	12,180.5	7.5	61.9
July	5,631.2	6,958.4	42.0	490.9	103.2	594.2	7,552.6	4,652.0	12,204.5	7.9	61.9
August	5,582.4	6,885.7	37.0	490.7	105.0	595.6	7,481.4	4,745.6	12,226.9	8.0	61.2
September	5,666.9	7,007.6	31.8	517.6	114.0	631.6	7,639.2	4,610.3	12,249.5	8.3	62.4
October	5,661.9	7,000.3	33.7	485.9	104.2	590.1	7,590.4	4,684.4	12,274.9	7.8	61.8
November	5,647.6	7,006.9	36.3	489.1	94.2	583.3	7,590.2	4,710.1	12,300.3	7.7	61.7
December	5,724.0	7,092.0	65.3	545.7	109.8	655.5	7,747.4	4,578.4	12,325.8	8.5	62.9
1987 -											
January	5,648.8	6,878.3	70.3	575.0	96.4	671.4	7,549.7	4,799.1	12,348.8	8.9	61.1
February	5,681.0	6,998.2	63.5	581.1	118.4	699.6	7,697.8	4,673.9	12,371.7	9.1	62.2
March	5,706.2	7,109.1	45.8	562.4	140.2	702.5	7,811.6	4,583.1	12,394.7	9.0	63.0
April	5,687.5	7,087.7	41.5	530.8	121.3	652.1	7,739.8	4,678.4	12,418.2	8.4	62.3
Standard error of -											
April 1987											
estimates	17.2	18.4	2.7	7.7	4.3	8.3	18.9	16.2	..	0.1	0.2
Mar 87 to Apr 87											
movements	14.6	15.8	2.4	6.1	3.6	6.7	16.4	13.5	..	0.1	0.1
ESTIMATES FOR MARCH 1986 BASED ON NEW DEFINITION											
MALES	3,939.3	4,223.5	29.9	311.9	37.3	349.2	4,572.7	1,395.5	5,968.2	7.6	76.6
MARRIED FEMALES	882.0	1,643.9	*	61.9	53.0	114.8	1,758.7	1,896.0	3,654.7	6.5	48.1
FEMALES	1,699.2	2,737.9	27.2	189.7	95.7	285.5	3,023.3	3,130.2	6,153.6	9.4	49.1
PERSONS	5,638.5	6,961.4	57.1	501.6	133.0	634.6	7,596.0	4,525.7	12,121.7	8.4	62.7

(a) Estimates based on old definition. These estimates differ from those shown in the April 1986 to January 1987 issues of this publication. See paragraphs 39 & 40 of the Explanatory Notes. Estimates for March 1986 based on the new definition are shown above to assist users to assess the impact of the change.

TABLE 2. CIVILIAN LABOUR FORCE: SEASONALLY ADJUSTED SERIES

Month	Employed		Unemployed		Looking for full-time work		Labour force	Unemployment rate	Participation rate
	Full-time workers	Total	Aged 15-19 looking for first job	Total	Looking for part-time work	Total			
- '000 -						- per cent -			
MALES									
1986 -									
March (a)	3,926.9	4,198.8	28.0	305.9	33.5	339.3	4,538.1	7.5	76.0
April	3,930.8	4,218.1	25.1	308.4	33.2	341.6	4,559.8	7.5	76.3
May	3,922.4	4,206.4	23.9	312.0	26.0	338.0	4,544.4	7.4	75.9
June	3,961.4	4,243.0	23.8	301.8	29.0	330.8	4,573.9	7.2	76.3
July	3,925.3	4,205.0	26.8	327.0	29.6	356.6	4,561.6	7.8	75.9
August	3,935.9	4,214.5	21.3	321.8	30.1	351.9	4,566.3	7.7	75.9
September	3,942.4	4,219.3	20.3	333.9	27.7	361.6	4,580.9	7.9	76.0
October	3,940.5	4,213.3	21.6	337.3	29.0	366.3	4,579.6	8.0	75.8
November	3,933.8	4,203.0	21.8	343.5	28.8	372.3	4,575.2	8.1	75.5
December	3,942.0	4,236.1	23.1	346.8	31.0	377.7	4,613.8	8.2	76.0
1987 -									
January	3,940.1	4,223.3	22.4	342.9	27.1	370.0	4,593.3	8.1	75.5
February	3,953.3	4,239.0	24.8	331.7	34.2	365.8	4,604.8	7.9	75.6
March	3,960.4	4,259.8	21.2	341.3	30.4	371.6	4,631.4	8.0	75.9
April	3,977.9	4,266.4	24.2	329.8	30.1	360.0	4,626.3	7.8	75.6
MARRIED FEMALES									
1986 -									
March (a)	878.7	1,604.0	n.a.	54.2	43.2	97.4	1,701.4	5.7	46.6
April	893.4	1,646.2	n.a.	56.2	42.4	98.6	1,744.9	5.7	47.6
May	889.9	1,635.1	n.a.	60.0	41.3	101.3	1,736.4	5.8	47.5
June	889.1	1,650.9	n.a.	54.8	43.1	98.0	1,748.8	5.6	47.5
July	901.7	1,674.0	n.a.	63.6	43.0	106.7	1,780.6	6.0	48.3
August	895.8	1,662.4	n.a.	55.7	44.8	100.5	1,762.9	5.7	47.6
September	898.8	1,677.9	n.a.	57.7	43.4	101.1	1,779.0	5.7	47.9
October	907.0	1,686.2	n.a.	58.3	43.4	101.7	1,787.9	5.7	48.3
November	899.6	1,685.5	n.a.	56.5	39.2	95.6	1,781.1	5.4	47.9
December	904.0	1,701.0	n.a.	61.5	36.6	98.1	1,799.1	5.5	48.1
1987 -									
January	908.6	1,704.1	n.a.	61.6	41.5	103.1	1,807.2	5.7	48.2
February	890.5	1,697.1	n.a.	56.7	44.0	100.7	1,797.8	5.6	48.3
March	901.3	1,698.5	n.a.	63.2	48.5	111.6	1,810.1	6.2	48.7
April	900.3	1,702.6	n.a.	68.8	41.5	110.3	1,813.0	6.1	48.8
ALL FEMALES									
1986 -									
March (a)	1,687.3	2,680.3	25.2	174.9	79.0	253.9	2,934.2	8.7	47.7
April	1,709.5	2,741.4	18.4	176.3	79.1	255.4	2,996.8	8.5	48.6
May	1,707.3	2,732.1	22.2	174.9	78.6	253.5	2,985.6	8.5	48.4
June	1,699.3	2,736.2	19.7	167.3	78.8	246.1	2,982.3	8.3	48.2
July	1,699.2	2,741.6	26.7	188.4	82.4	270.8	3,012.4	9.0	48.6
August	1,704.2	2,728.4	25.6	182.5	89.1	271.6	3,000.0	9.1	48.3
September	1,700.0	2,746.4	18.2	191.4	77.5	268.9	3,015.3	8.9	48.5
October	1,727.0	2,770.7	21.9	191.8	81.2	273.0	3,043.7	9.0	48.8
November	1,714.6	2,763.4	23.4	188.3	76.1	264.4	3,027.9	8.7	48.5
December	1,711.9	2,778.7	22.3	191.6	75.1	266.7	3,045.4	8.8	48.7
1987 -									
January	1,718.4	2,797.1	23.4	186.4	81.9	268.3	3,065.5	8.8	48.9
February	1,718.1	2,802.4	20.8	187.3	78.8	266.0	3,068.5	8.7	48.9
March	1,721.3	2,800.4	20.7	192.2	86.8	279.0	3,079.4	9.1	48.9
April	1,730.4	2,818.2	22.6	199.7	81.1	280.8	3,099.0	9.1	49.2
PERSONS									
1986 -									
March (a)	5,614.2	6,879.1	53.2	480.8	112.4	593.2	7,472.3	7.9	61.6
April	5,640.2	6,959.5	43.5	484.7	112.3	597.1	7,556.6	7.9	62.2
May	5,629.7	6,938.5	46.1	486.9	104.6	591.5	7,530.0	7.9	61.9
June	5,660.7	6,979.2	43.5	469.1	107.8	577.0	7,556.2	7.6	62.0
July	5,624.4	6,946.6	53.5	515.4	112.0	627.4	7,574.0	8.3	62.1
August	5,640.1	6,942.9	46.9	504.4	119.1	623.5	7,566.4	8.2	61.9
September	5,642.4	6,965.7	38.5	525.3	105.3	630.5	7,596.3	8.3	62.0
October	5,667.5	6,984.0	43.5	529.1	110.2	639.3	7,623.3	8.4	62.1
November	5,648.4	6,966.4	45.2	531.8	105.0	636.7	7,603.1	8.4	61.8
December	5,653.9	7,014.8	45.4	538.4	106.0	644.5	7,659.2	8.4	62.1
1987 -									
January	5,658.6	7,020.4	45.8	529.3	109.1	638.3	7,658.7	8.3	62.0
February	5,671.4	7,041.4	45.6	518.9	112.9	631.9	7,673.3	8.2	62.0
March	5,681.7	7,060.2	41.9	533.5	117.2	650.6	7,710.9	8.4	62.2
April	5,708.3	7,084.6	46.7	529.5	111.3	640.8	7,725.4	8.3	62.2

(a) Estimates based on old definition. See paragraphs 39 & 40 of the Explanatory Notes. Estimates for March 1986 based on the new definition are shown above to assist users to assess the impact of the change.

(a) Estimates based on old definition. See paragraphs 39 & 40 of the Explanatory Notes.

TABLE 4. LABOUR FORCE STATUS OF THE CIVILIAN POPULATION AGED 15 AND OVER:  
MARITAL STATUS, APRIL 1987

	Employed		Unemployed			Labour force	Not in labour force	Civilian population aged 15 and over	Unemployment rate	Participation rate
	Full-time workers	Total	Looking for full-time work	Looking for part-time work	Total					
- '000 -					- per cent -					
Males	3,961.3	4,265.3	327.1	30.2	357.3	4,622.6	1,493.5	6,116.1	7.7	75.6
Married	2,649.7	2,765.5	141.4	*	144.5	2,910.1	826.2	3,736.3	5.0	77.9
Not married	1,311.6	1,499.8	185.8	27.0	212.8	1,712.6	667.3	2,379.8	12.4	72.0
Females	1,726.2	2,822.4	203.7	91.1	294.8	3,117.2	3,184.9	6,302.1	9.5	49.5
Married	897.1	1,703.5	75.1	47.2	122.3	1,825.8	1,886.9	3,712.7	6.7	49.2
Not married	829.1	1,118.9	128.6	43.9	172.5	1,291.4	1,298.0	2,589.4	13.4	49.9
Persons	5,687.5	7,087.7	530.8	121.3	652.1	7,739.8	4,678.4	12,418.2	8.4	62.3

TABLE 5. LABOUR FORCE STATUS OF THE CIVILIAN POPULATION AGED 15 AND OVER:  
STATES AND TERRITORIES, APRIL 1987

State or Territory	Employed		Unemployed			Labour force	Not in labour force	Civilian population aged 15 and over	Unemployment rate	Participation rate
	Full-time workers	Total	Looking for full-time work	Looking for part-time work	Total					
	- '000 -									
- per cent -										
MALES										
New South Wales	1,367.5	1,461.5	124.0	9.3	133.3	1,594.8	532.6	2,127.4	8.4	75.0
Victoria	1,059.7	1,143.6	61.6	7.1	68.8	1,212.4	388.1	1,600.5	5.7	75.7
Queensland	619.3	674.1	68.2	4.8	73.0	747.1	235.1	982.2	9.8	76.1
South Australia	330.1	359.7	29.3	3.1	32.4	392.1	138.1	530.2	8.3	74.0
Western Australia	369.0	395.6	27.9	4.1	32.0	427.6	129.5	557.1	7.5	76.8
Tasmania	108.8	116.1	9.9	*	10.2	126.3	42.8	169.1	8.1	74.7
Northern Territory	40.6	43.0	2.7	*	3.0	46.0	8.9	54.9	6.6	83.8
Australian Capital Territory	66.4	71.7	3.5	*	4.6	76.3	18.4	94.7	6.1	80.6
Australia	3,961.3	4,265.3	327.1	30.2	357.3	4,622.6	1,493.5	6,116.1	7.7	75.6
FEMALES										
New South Wales	600.5	946.4	72.6	30.9	103.6	1,049.9	1,148.5	2,198.4	9.9	47.8
Victoria	480.7	775.7	44.8	23.4	68.1	843.8	819.2	1,663.1	8.1	50.7
Queensland	258.8	437.1	37.7	15.7	53.4	490.5	513.5	1,004.0	10.9	48.9
South Australia	139.7	246.1	19.0	8.1	27.1	273.2	280.4	553.6	9.9	49.4
Western Australia	152.4	260.3	19.3	7.6	27.0	287.3	270.0	557.3	9.4	51.6
Tasmania	39.6	72.3	5.6	2.7	8.2	80.5	94.4	174.9	10.2	46.0
Northern Territory	19.3	28.4	2.1	*	2.3	30.7	19.1	49.8	7.4	61.7
Australian Capital Territory	35.4	56.1	2.6	2.5	5.1	61.2	39.8	101.0	8.4	60.6
Australia	1,726.2	2,822.4	203.7	91.1	294.8	3,117.2	3,184.9	6,302.1	9.5	49.5
PERSONS										
New South Wales	1,967.9	2,407.9	196.6	40.3	236.9	2,644.7	1,681.1	4,325.8	9.0	61.1
Victoria	1,540.4	1,919.3	106.4	30.5	136.9	2,056.2	1,207.4	3,263.6	6.7	63.0
Queensland	878.0	1,111.2	105.9	20.5	126.4	1,237.6	748.6	1,986.2	10.2	62.3
South Australia	469.8	605.8	48.3	11.2	59.5	665.3	418.5	1,083.8	8.9	61.4
Western Australia	521.4	656.0	47.2	11.7	58.9	714.9	399.5	1,114.4	8.2	64.1
Tasmania	148.4	188.4	15.5	2.9	18.4	206.8	137.2	344.0	8.9	60.1
Northern Territory	59.9	71.4	4.9	*	5.3	76.7	28.0	104.7	6.9	73.3
Australian Capital Territory	101.8	127.8	6.1	3.6	9.8	137.6	58.1	195.7	7.1	70.3
Australia	5,687.5	7,087.7	530.8	121.3	652.1	7,739.8	4,678.4	12,418.2	8.4	62.3

(a) Consists of capital city statistical divisions. See Explanatory Notes.

	Males	Females		Persons			
		-----		Aged 15-19	Aged 20-24	Aged 25 and over	Total
		Married	Total				
				- '000 -			
Employed	71.7	33.5	56.1	10.8	16.4	100.5	127.8
Full-time workers	66.4	19.8	35.4	5.0	14.3	82.4	101.8
Part-time workers	5.3	13.7	20.7	5.8	2.1	18.1	26.0
Unemployed	4.6	1.8	5.1	3.4	1.7	4.7	9.8
Looking for full-time work	3.5	*	2.6	1.9	*	3.1	6.1
Looking for part-time work	*	*	2.5	1.5	*	1.6	3.6
Labour force	76.3	35.4	61.2	14.2	18.1	105.3	137.6
Not in labour force	18.4	23.6	39.8	10.1	4.6	43.4	58.1
Aged 15-19 attending school(a)	3.8	*	4.1	7.9	..	..	7.9
Civilian population	94.7	59.0	101.0	24.3	22.7	148.6	195.7
				- per cent -			
Unemployment rate	6.1	5.2	8.4	23.7	9.2	4.5	7.1
Looking for full-time work	5.0	*	6.9	27.6	*	3.7	5.7
Participation rate	80.6	59.9	60.6	58.4	79.6	70.8	70.3
Employment/population ratio	75.7	56.8	55.5	44.6	72.3	67.6	65.3
				- number -			
Average (mean) weekly hours worked by employed persons	39.0	28.5	28.8	21.8	33.1	36.2	34.6
Average (mean) duration of unemployment (weeks)	17.5	*	15.1	14.3	*	17.6	16.2

(a) Excludes persons in institutions. See Explanatory Notes.

TABLE 8. LABOUR FORCE STATUS OF THE CIVILIAN POPULATION AGED 15 TO 19:  
SCHOOL ATTENDANCE(a), APRIL 1987

	Employed		Unemployed			Labour force	Not in labour force	Civilian population aged 15-19	Unemployment rate	Participation rate
	Full-time workers	Total	Looking for full-time work	Looking for part-time work	Total					
	- '000 -									
	- per cent -									
NOT ATTENDING SCHOOL										
Males	242.5	282.5	60.8	7.5	68.3	350.8	55.3	406.0	19.5	86.4
Females	185.4	246.7	55.9	11.4	67.3	314.0	75.3	389.3	21.4	80.7
Persons	427.9	529.2	116.7	18.9	135.5	664.8	130.5	795.3	20.4	83.6
Left school -										
Before 1985	176.3	199.1	44.7	3.5	48.2	247.4	31.1	278.4	19.5	88.8
1985	136.1	170.5	26.3	6.2	32.5	203.0	34.5	237.5	16.0	85.5
1986 to survey date	115.5	159.6	45.7	9.2	54.8	214.4	65.0	279.4	25.6	76.7
Age -										
15	15.0	18.6	5.5	*	6.3	24.9	4.5	29.4	25.3	84.6
16	46.9	57.3	20.9	*	22.3	79.6	12.2	91.8	28.0	86.7
17	89.0	112.8	26.6	4.1	30.7	143.5	25.2	168.7	21.4	85.1
18	131.8	165.2	35.5	6.3	41.8	207.1	45.7	252.8	20.2	81.9
19	145.2	175.4	28.1	6.3	34.3	209.7	43.0	252.7	16.4	83.0
ATTENDING SCHOOL										
Males	*	58.9	*	11.3	14.2	73.1	213.8	286.8	19.4	25.5
Females	*	71.3	*	17.1	20.4	91.7	191.6	283.3	22.2	32.4
Persons	*	130.2	6.2	28.4	34.6	164.8	405.4	570.1	21.0	28.9
Age -										
15	*	50.2	) 4.5	( 16.2	17.6	67.8	188.6	256.5	26.0	26.4
16	*	49.2	)	( 8.2	11.4	60.6	134.7	195.2	18.8	31.0
17	*	27.8	*	)	4.6	32.5	69.6	102.1	14.3	31.8
18 and 19	*	*	*	) 3.9	( *	3.9	12.4	16.3	23.9	24.0
TOTAL										
Males	243.7	341.4	63.7	18.8	82.5	423.8	269.0	692.9	19.5	61.2
Females	185.7	318.1	59.2	28.5	87.7	405.7	266.9	672.6	21.6	60.3
Persons	429.4	659.4	122.9	47.2	170.1	829.5	535.9	1,365.4	20.5	60.8
Age -										
15	15.6	68.7	6.9	17.0	23.9	92.7	193.2	285.8	25.8	32.4
16	47.5	106.5	24.0	9.7	33.7	140.2	146.8	287.0	24.0	48.8
17	89.3	140.6	28.2	7.2	35.4	176.0	94.8	270.8	20.1	65.0
18	131.8	167.6	35.6	7.1	42.8	210.4	56.1	266.5	20.3	78.9
19	145.2	176.0	28.1	6.3	34.3	210.3	45.0	255.3	16.3	82.4

(a) Excludes persons in institutions. See Explanatory Notes.

TABLE 9. LABOUR FORCE STATUS OF THE CIVILIAN POPULATION AGED 20 TO 24, APRIL 1987

	Employed		Unemployed			Labour force	Not in labour force	Civilian population aged 20-24	Unemployment rate	Participation rate
	Full-time workers	Total	Looking for full-time work	Looking for part-time work	Total					
	- '000 -									- per cent -
Males	488.9	531.5	60.8	4.9	65.7	597.2	65.2	662.4	11.0	90.2
Females	368.0	448.4	44.3	9.3	53.6	502.1	149.5	651.5	10.7	77.1
Persons	856.9	979.9	105.1	14.2	119.3	1,099.2	214.7	1,314.0	10.9	83.7
Age -										
20	155.2	183.3	23.0	) 6.4	( 26.3	209.6	45.9	255.5	12.6	82.0
21	161.7	189.0	22.6	)	( 25.7	214.7	40.7	255.4	12.0	84.1
22	173.9	195.6	19.0	) 6.1	( 21.7	217.3	43.9	261.2	10.0	83.2
23	181.8	203.4	20.7	)	( 24.1	227.5	41.4	268.9	10.6	84.6
24	184.3	208.6	19.8	*	21.5	230.1	42.8	272.9	9.4	84.3

TABLE 10. CIVILIAN LABOUR FORCE BY BIRTHPLACE, APRIL 1987

	Employed		Unemployed		Labour force	Unemp- loyment rate	Partici- pation rate(a)
	Full-time workers	Total	Looking for full- time work - '000 -	Total			
						- per cent -	
MALES							
Born in Australia	2,908.8	3,146.0	225.2	249.9	3,395.8	7.4	77.0
Born outside Australia	1,052.5	1,119.4	102.0	107.4	1,226.8	8.8	75.5
Africa	35.8	38.4	*	*	41.6	*	80.7
America	31.5	35.7	4.9	4.9	40.6	12.0	79.6
Asia	148.0	157.7	31.5	33.6	191.4	17.6	76.3
Lebanon	12.0	13.6	7.2	7.4	21.0	35.4	73.3
Vietnam	22.8	24.6	12.1	12.7	37.3	34.2	81.4
Europe	756.6	799.1	54.2	57.2	856.3	6.7	73.8
Germany	41.8	44.0	*	*	46.8	*	83.7
Greece	47.7	50.3	*	*	53.0	*	73.7
Italy	101.8	105.9	6.5	6.7	112.6	6.0	71.6
Malta	20.3	21.3	*	*	22.3	*	75.6
Netherlands	37.9	40.4	*	*	42.5	*	73.6
Poland	17.4	18.9	*	*	20.0	*	56.1
UK and Ireland	361.5	383.4	27.3	29.3	412.7	7.1	75.5
Yugoslavia	57.5	59.9	5.3	5.4	65.3	8.3	75.5
Oceania	80.6	88.5	8.2	8.6	97.0	8.8	86.2
New Zealand	68.9	74.6	6.6	6.8	81.4	8.4	87.9
MARRIED FEMALES							
Born in Australia	616.0	1,226.7	41.9	73.9	1,300.5	5.7	49.3
Born outside Australia	281.1	476.8	33.2	48.5	525.3	9.2	49.6
Africa	14.3	20.8	*	*	22.3	*	63.0
America	8.1	13.5	*	*	15.4	*	51.4
Asia	52.9	72.2	11.5	13.5	85.8	15.8	50.7
Lebanon	*	*	*	*	4.0	*	21.2
Vietnam	7.5	8.1	*	3.7	11.7	31.3	61.6
Europe	185.7	335.1	16.1	27.0	362.2	7.5	47.7
Germany	8.2	17.0	*	*	18.7	*	44.8
Greece	14.5	23.5	*	*	24.9	*	46.1
Italy	17.4	32.1	*	*	34.2	*	32.9
Malta	3.8	7.3	*	*	8.1	*	39.6
Netherlands	6.9	17.0	*	*	17.7	*	47.3
Poland	5.0	8.8	*	*	10.2	*	44.5
UK and Ireland	90.4	171.0	7.1	13.5	184.5	7.3	52.2
Yugoslavia	20.9	29.1	*	*	32.4	*	58.4
Oceania	20.2	35.1	*	4.5	39.6	11.4	60.8
New Zealand	16.1	29.5	*	*	32.8	*	63.1
ALL FEMALES							
Born in Australia	1,300.8	2,160.0	144.8	212.5	2,372.5	9.0	51.3
Born outside Australia	425.4	662.4	58.9	82.3	744.7	11.1	48.6
Africa	19.6	27.3	*	*	29.5	*	58.6
America	14.7	22.7	3.7	4.6	27.3	16.8	52.9
Asia	77.2	103.0	17.2	20.9	124.0	16.9	49.3
Lebanon	*	3.9	*	*	5.8	*	24.5
Vietnam	11.8	12.8	5.4	5.8	18.6	31.2	56.5
Europe	270.5	444.5	29.2	44.6	489.1	9.1	45.9
Germany	12.6	22.9	*	*	26.1	*	44.9
Greece	17.4	26.9	*	*	28.7	*	45.4
Italy	25.7	41.8	*	*	44.5	*	33.8
Malta	5.0	8.9	*	*	9.7	*	37.7
Netherlands	9.8	20.4	*	*	21.8	*	45.0
Poland	6.2	10.4	*	*	12.2	*	37.6
UK and Ireland	145.1	241.7	16.1	24.9	266.7	9.4	49.7
Yugoslavia	24.8	33.8	*	4.0	37.8	10.7	54.5
Oceania	43.4	64.8	7.4	9.9	74.7	13.3	65.3
New Zealand	35.6	54.6	5.3	7.4	62.0	11.9	67.6
PERSONS							
Born in Australia	4,209.7	5,306.0	369.9	462.3	5,768.3	8.0	63.8
Born outside Australia	1,477.9	1,781.7	160.9	189.8	1,971.5	9.6	62.4
Africa	55.4	65.7	4.6	5.4	71.1	7.6	69.8
America	46.2	58.4	8.6	9.5	67.9	14.0	66.1
Asia	225.2	260.8	48.7	54.6	315.4	17.3	62.8
Lebanon	14.6	17.5	8.9	9.4	26.8	34.9	51.2
Vietnam	34.6	37.3	17.5	18.5	55.9	33.2	71.0
Europe	1,027.0	1,243.6	83.4	101.8	1,345.4	7.6	60.4
Germany	54.4	66.9	4.4	5.9	72.9	8.2	63.9
Greece	65.2	77.1	*	4.6	81.8	5.6	60.4
Italy	127.4	147.7	9.1	9.4	157.1	6.0	54.4
Malta	25.3	30.2	*	*	32.1	*	57.9
Netherlands	47.7	60.8	*	3.5	64.3	5.5	60.6
Poland	23.6	29.3	*	*	32.2	*	47.3
UK and Ireland	506.6	625.2	43.4	54.2	679.4	8.0	62.7
Yugoslavia	82.3	93.7	7.8	9.4	103.1	9.2	66.1
Oceania	124.0	153.3	15.6	18.5	171.8	10.8	75.7
New Zealand	104.4	129.2	11.9	14.2	143.4	9.9	77.8

(a) See the definition of the labour force participation rate in the Explanatory Notes.

TABLE 11. CIVILIAN LABOUR FORCE BORN OUTSIDE AUSTRALIA: BIRTHPLACE AND PERIOD OF ARRIVAL IN AUSTRALIA, APRIL 1987

Period of arrival	Africa	America	Asia	Europe		Oceania		Total				Persons
				U.K. and Ireland	Other countries	New Zealand	Total	Males	Females			
									Married	Total		
EMPLOYED ('000)												
Before 1971	25.6	16.4	72.9	403.7	494.2	30.2	36.1	681.8	281.3	367.2	1,049.0	
1971 - 1975	14.6	21.3	46.2	102.3	57.7	15.6	20.8	154.2	73.1	108.6	262.8	
1976 - 1980	9.7	6.9	66.2	48.2	28.3	38.6	44.6	118.7	62.1	85.3	204.0	
1981 - 1985	11.7	9.8	64.7	51.2	32.9	28.1	34.2	128.2	51.1	76.2	204.4	
1986 to survey date	4.1	4.0	10.9	19.8	5.3	16.8	17.5	36.5	9.3	25.1	61.6	
UNEMPLOYED ('000)												
Before 1971	*	*	6.5	33.2	34.5	4.9	3.9	48.8	21.0	32.4	81.2	
1971 - 1975	*	3.5	4.9	10.0	5.4		*	16.3	5.6	11.7	27.9	
1976 - 1980	*	*	14.1	3.9	*	6.6	4.4	14.5	5.5	10.0	24.5	
1981 - 1985	*	)	( 19.1	4.8	4.6		4.2	19.2	10.0	16.6	35.8	
1986 to survey date	*	) 4.1	( 10.0	*	*	*	*	8.7	6.4	11.7	20.3	
LABOUR FORCE ('000)												
Before 1971	27.1	17.9	79.4	436.9	528.7	33.5	40.0	730.6	302.2	399.6	1,130.1	
1971 - 1975	16.0	24.8	51.1	112.3	63.2	17.2	23.4	170.5	78.7	120.3	290.7	
1976 - 1980	9.9	7.1	80.2	52.1	30.1	41.9	49.0	133.2	67.6	95.3	228.5	
1981 - 1985	12.5	12.2	83.7	55.9	37.5	31.4	38.4	147.4	61.1	92.8	240.3	
1986 to survey date	5.6	5.8	20.9	22.1	6.6	19.4	20.9	45.1	15.7	36.8	81.9	
UNEMPLOYMENT RATE (per cent)												
Before 1971	*	*	8.2	7.6	6.5	9.6	9.7	6.7	6.9	8.1	7.2	
1971 - 1975	*	14.2	9.6	8.9	8.6		*	9.5	7.1	9.7	9.6	
1976 - 1980	*	*	17.5	7.5	*	9.0	9.0	10.9	8.1	10.5	10.7	
1981 - 1985	*	)	( 22.8	8.5	12.3		11.0	13.0	16.4	17.9	14.9	
1986 to survey date	*	) 23.0	( 47.8	*	*	13.8	*	19.2	40.7	31.8	24.8	
PARTICIPATION RATE(a) (per cent)												
Before 1971	65.3	63.2	62.5	58.1	56.5	68.7	68.7	71.5	45.6	43.3	58.1	
1971 - 1975	76.1	71.4	70.7	74.3	66.6	78.8	77.5	83.8	60.3	60.0	72.0	
1976 - 1980	69.1	52.3	67.7	74.4	65.9	78.6	77.9	83.4	58.9	57.6	70.3	
1981 - 1985	75.7	69.6	60.3	69.7	69.5	84.7	78.3	82.8	52.4	52.1	67.5	
1986 to survey date	66.2	69.0	46.0	76.7	52.0	83.5	79.0	72.0	45.5	54.4	62.9	

(a) See the definition of the labour force participation rate in the Explanatory Notes.

TABLE 12. CIVILIAN LABOUR FORCE, BY AGE, APRIL 1987

Age group	Number ('000)					Participation rate (per cent)				
	Females					Females				
	Males	Married	Not married	Total	Persons	Males	Married	Not married	Total	Persons
15-64	4,557.2	1,812.9	1,278.2	3,091.1	7,648.3	84.5	54.5	64.5	58.2	71.5
15-19	423.8	13.5	392.2	405.7	829.5	60.7	60.8	60.2	60.2	60.4
20-24	597.2	154.8	347.3	502.1	1,099.2	90.2	66.8	82.7	77.1	83.7
25-34	1,243.2	556.2	268.7	824.8	2,068.1	94.8	58.0	75.8	62.8	78.8
35-44	1,112.0	624.8	137.1	761.9	1,873.9	94.5	65.6	68.9	66.2	80.5
45-54	729.0	345.6	86.9	432.5	1,161.5	89.1	54.7	56.9	55.1	72.5
55-59	292.9	87.9	30.0	118.0	410.9	77.3	31.0	34.4	31.8	54.8
60-64	159.0	30.2	16.0	46.1	205.2	45.6	12.2	13.8	12.7	28.9
65 and over	65.5	12.9	13.2	26.1	91.6	9.1	3.3	2.2	2.6	5.3
Total	4,622.6	1,825.8	1,291.4	3,117.2	7,739.8	75.6	49.2	49.9	49.5	62.3

TABLE 13. LABOUR FORCE PARTICIPATION RATES(a), BY AGE AND BIRTHPLACE, APRIL 1987  
(per cent)

Age group	Born in Australia			Born outside Australia		
	Males	Females	Persons	Males	Females	Persons
15-64	85.2	59.3	72.2	84.7	55.8	70.8
15-19	63.1	62.1	62.6	53.6	50.2	51.9
20-24	92.1	77.7	84.9	86.4	74.9	80.6
25-34	95.7	63.1	79.5	94.0	62.1	77.7
35-44	95.2	66.2	80.6	94.0	66.5	80.8
45-54	90.2	55.8	72.9	87.8	54.1	72.2
55-59	77.7	32.2	53.7	78.0	31.4	58.0
60-64	43.4	13.0	27.5	51.1	12.5	32.7
65 and over	10.3	2.9	6.1	7.9	3.2	5.5
Total	77.0	51.3	63.8	75.5	48.6	62.4

(a) See the definition of the labour force participation rate in the Explanatory Notes.

TABLE 14. EMPLOYED PERSONS: FULL-TIME AND PART-TIME WORKERS, BY AGE, APRIL 1987  
('000)

	Age group								
	15-19	20-24	25-34	35-44	45-54	55-59	60-64	65 and over	Total
MALES									
Full-time workers	243.7	488.9	1,112.2	1,022.1	666.5	259.0	131.3	37.5	3,961.3
Part-time workers	97.7	42.5	42.2	35.1	28.6	14.2	16.6	27.1	304.0
Total	341.4	531.5	1,154.5	1,057.2	695.1	273.2	147.9	64.6	4,265.3
MARRIED FEMALES									
Full-time workers	5.6	104.6	271.3	286.4	168.6	44.2	12.1	4.3	897.1
Part-time workers	*	35.5	240.3	300.8	160.8	40.5	17.4	8.6	806.4
Total	8.0	140.1	511.6	587.3	329.4	84.6	29.5	12.9	1,703.5
ALL FEMALES									
Full-time workers	185.7	368.0	474.8	376.7	226.6	63.8	22.0	8.8	1,726.2
Part-time workers	132.4	80.4	281.5	332.0	179.9	49.5	23.2	17.3	1,096.2
Total	318.1	448.4	756.2	708.7	406.4	113.3	45.1	26.1	2,822.4
PERSONS									
Full-time workers	429.4	856.9	1,587.0	1,398.8	893.1	322.8	153.3	46.3	5,687.5
Part-time workers	230.0	123.0	323.7	367.1	208.4	63.7	39.8	44.4	1,400.2
Total	659.4	979.9	1,910.7	1,765.9	1,101.5	386.6	193.1	90.7	7,087.7

TABLE 15. HOURS WORKED BY EMPLOYED PERSONS, APRIL 1987

	Males	Females		Total	Persons
		Married	Not married		
NUMBER EMPLOYED ('000)					
Weekly hours worked -					
0	201.8	86.4	47.8	134.2	336.0
1-15	177.7	360.6	173.9	534.5	712.2
16-29	207.2	362.6	104.1	466.7	673.8
30-34	264.0	145.8	82.0	227.9	491.9
35-39	750.2	274.6	272.0	546.7	1,296.9
40	1,025.5	244.6	266.2	510.8	1,536.3
41-44	256.5	54.4	62.0	116.4	372.9
45-48	409.0	55.7	49.0	104.7	513.6
49 and over	973.4	118.6	62.0	180.6	1,154.0
Total	4,265.3	1,703.5	1,118.9	2,822.4	7,087.7
WEEKLY HOURS WORKED					
Aggregate weekly hours worked (million)	172.4	47.8	35.5	83.3	255.7
By full-time workers	167.7	35.0	31.5	66.5	234.2
By part-time workers	4.7	12.8	4.0	16.8	21.5
Average weekly hours worked	40.4	28.1	31.7	29.5	36.1
By full-time workers	42.3	39.0	38.0	38.5	41.2
By part-time workers	15.4	15.9	13.8	15.4	15.4
Average weekly hours worked by persons who worked one hour or more in the survey week	42.4	29.6	33.1	31.0	37.9
By full-time workers	44.5	41.3	39.7	40.6	43.3
By part-time workers	16.1	16.7	14.3	16.1	16.1

TABLE 16. EMPLOYED PERSONS: EMPLOYMENT/POPULATION RATIOS BY AGE AND MARITAL STATUS, APRIL 1987 (per cent)

Age group	Males			Females			Persons
	Married	Not married	Total	Married	Not married	Total	
15-19	*	48.8	48.9	36.1	47.6	47.2	48.1
20-24	87.2	78.7	80.2	60.5	73.4	68.8	74.6
25-34	91.1	82.7	88.0	53.3	69.0	57.6	72.8
35-44	91.8	80.1	89.8	61.7	61.0	61.6	75.9
45-54	87.8	71.0	84.9	52.1	50.4	51.8	68.7
55-59	74.8	60.8	72.1	29.9	32.9	30.6	51.6
60-64	43.6	37.1	42.4	12.0	13.5	12.5	27.2
65 and over	9.5	7.4	9.0	3.3	2.2	2.6	5.3
Total	74.0	63.0	69.7	45.9	43.2	44.8	57.1

TABLE 17. FULL-TIME WORKERS WHO WORKED LESS THAN 35 HOURS, BY REASON, APRIL 1987 ('000)

Reason for working less than 35 hours	Males	Females		Total	Persons
		Married	Not married		
Leave, holiday or flexitime	269.7	75.1	59.7	134.7	404.5
Own illness or injury	122.8	42.0	36.0	77.9	200.7
Bad weather, plant breakdown, etc.	9.7	*	*	*	10.5
Began or left job in the survey week	11.8	*	*	5.9	17.7
Stood down, on short time, insufficient work	33.7	7.6	*	11.0	44.7
Shift work, standard work arrangements	65.1	16.9	13.1	30.0	95.1
Other reasons	33.9	4.1	*	6.7	40.6
Total	546.7	149.1	118.0	267.1	813.8

TABLE 18. PART-TIME WORKERS: WHETHER PREFERRED TO WORK MORE HOURS, BY AGE, APRIL 1987  
('000)

	Age group						
	15-19	20-24	25-34	35-44	45-54	55 and over	Total
MALES							
Total	97.7	42.5	42.2	35.1	28.6	57.9	304.0
Preferred not to work more hours	73.5	26.4	26.0	24.0	20.2	50.6	220.6
Preferred to work more hours	24.2	16.2	16.3	11.0	8.4	7.4	83.4
Had actively looked for full-time work in the four weeks to the end of the survey week	11.1	9.2	10.0	7.0	4.0	*	43.2
MARRIED FEMALES							
Total	*	35.5	240.3	300.8	160.8	66.5	806.4
Preferred not to work more hours	*	28.6	213.5	262.5	143.7	63.2	713.4
Preferred to work more hours	*	6.9	26.8	38.4	17.1	*	93.0
Had actively looked for full-time work in the four weeks to the end of the survey week	*	*	7.2	8.5	*	*	22.0
ALL FEMALES							
Total	132.4	80.4	281.5	332.0	179.9	90.0	1,096.2
Preferred not to work more hours	102.9	56.3	241.4	283.9	158.3	83.8	926.6
Preferred to work more hours	29.5	24.1	40.0	48.1	21.5	6.2	169.5
Had actively looked for full-time work in the four weeks to the end of the survey week	13.1	10.8	12.0	12.8	3.7	*	53.3
PERSONS							
Total	230.0	123.0	323.7	367.1	208.4	148.0	1,400.2
Preferred not to work more hours	176.3	82.7	267.4	307.9	178.5	134.4	1,147.3
Preferred to work more hours	53.7	40.3	56.3	59.1	29.9	13.6	252.9
Had actively looked for full-time work in the four weeks to the end of the survey week	24.2	20.0	22.0	19.8	7.8	*	96.4

TABLE 19. PART-TIME WORKERS: WHETHER PREFERRED TO WORK MORE HOURS, BY HOURS WORKED, APRIL 1987  
('000)

	Hours worked by persons who worked in the survey week						Persons who did not work in the survey week	Total
	1-5	6-10	11-15	16-20	21-29	30-34		
MALES								
Total	47.1	70.6	31.9	45.7	46.3	49.8	12.5	304.0
Preferred not to work more hours	34.9	51.3	23.0	30.0	31.2	40.9	9.3	220.6
Preferred to work more hours	12.2	19.3	8.9	15.7	15.1	8.9	*	83.4
Had actively looked for full-time work in the four weeks to the end of the survey week	6.3	11.0	4.5	7.8	8.1	4.0	*	43.2
MARRIED FEMALES								
Total	94.6	136.6	122.0	163.5	164.1	89.7	35.9	806.4
Preferred not to work more hours	77.2	114.4	107.9	147.2	150.8	84.8	31.1	713.4
Preferred to work more hours	17.4	22.2	14.2	16.3	13.3	4.9	4.8	93.0
Had actively looked for full-time work in the four weeks to the end of the survey week	3.7	4.8	3.5	4.1	---- 4.7 ----		*	22.0
ALL FEMALES								
Total	151.2	209.7	159.4	203.2	202.6	122.8	47.4	1,096.2
Preferred not to work more hours	119.6	173.2	134.3	171.7	176.8	110.7	40.3	926.6
Preferred to work more hours	31.6	36.5	25.1	31.4	25.8	12.1	7.1	169.5
Had actively looked for full-time work in the four weeks to the end of the survey week	7.7	12.0	9.5	10.6	8.4	*	*	53.3
PERSONS								
Total	198.3	280.2	191.3	248.9	248.9	172.6	59.9	1,400.2
Preferred not to work more hours	154.5	224.5	157.3	201.8	208.0	151.6	49.6	1,147.3
Preferred to work more hours	43.8	55.7	33.9	47.2	40.8	21.0	10.3	252.9
Had actively looked for full-time work in the four weeks to the end of the survey week	14.1	23.0	14.0	18.4	16.5	7.2	*	96.4

TABLE 20. UNEMPLOYED PERSONS: STATES, BY AGE, APRIL 1987  
('000)

Age group	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Australia (a)
MALES							
15-19	27.0	15.3	19.2	8.2	7.4	2.7	82.5
20-24	24.0	13.1	13.1	6.3	6.5	1.6	65.7
25-34	33.7	16.2	18.2	8.3	7.6	2.9	88.7
35 and over	48.6	24.2	22.5	9.7	10.4	3.0	120.4
Total	133.3	68.8	73.0	32.4	32.0	10.2	357.3
FEMALES							
15-19	27.1	20.5	17.8	8.5	8.8	3.0	87.7
20-24	18.5	11.6	10.1	5.4	4.9	1.9	53.6
25-34	26.1	13.5	11.2	6.7	7.1	1.7	68.6
35 and over	31.8	22.6	14.3	6.4	6.1	1.7	84.9
Total	103.6	68.1	53.4	27.1	27.0	8.2	294.8
PERSONS							
Looking for full-time work -							
15-19	40.7	23.0	27.3	12.6	11.6	4.7	122.9
20-24	36.4	21.4	21.8	10.6	10.1	3.0	105.1
25-34	51.0	25.2	25.4	11.6	12.3	3.8	132.5
35-44	37.7	18.6	15.4	6.2	7.0	1.9	88.2
45-54	19.2	10.3	11.1	4.5	3.7	1.4	51.2
55 and over	11.6	7.9	4.9	2.8	2.5	*	31.0
Total looking for full-time work	196.6	106.4	105.9	48.3	47.2	15.5	530.8
Total -							
15-19	54.1	35.8	37.0	16.7	16.2	5.7	170.1
20-24	42.5	24.7	23.2	11.7	11.4	3.4	119.3
25-34	59.9	29.7	29.4	15.0	14.8	4.6	157.3
35-44	44.2	24.1	18.9	8.0	8.6	2.4	108.1
45-54	22.4	12.5	12.4	5.2	4.6	1.5	60.0
55 and over	13.8	10.1	5.6	2.9	3.4	*	37.3
Total	236.9	136.9	126.4	59.5	58.9	18.4	652.1

(a) Includes the Northern Territory and the Australian Capital Territory

TABLE 21. UNEMPLOYED PERSONS AGED 15-19:  
DURATION OF UNEMPLOYMENT AND SCHOOL ATTENDANCE, APRIL 1987

	Attending school	Not attending school Left school before 1986	Left school 1986 to survey date	Total
NUMBER ('000)				
Duration of unemployment (weeks) -				
Under 4	9.3	10.6	7.9	27.8
4 and under 13	9.2	20.4	15.6	45.3
13 and under 26	9.6	18.4	23.9	52.0
26 and over	6.5	31.2	7.4	45.1
Total	34.6	80.7	54.8	170.1
AVERAGE DURATION OF UNEMPLOYMENT (weeks)				
Mean duration -				
Males	18.2	34.9	15.8	25.6
Females	15.3	34.7	14.8	24.1
Persons	16.5	34.8	15.3	24.8
Looking for full-time work	22.4	36.9	15.9	28.4
Looking for part-time work	15.2	19.1	12.1	15.4
Median duration -				
Males	12	17	14	15
Females	10	16	13	13
Persons	11	17	13	14
Looking for full-time work	*	18	14	16
Looking for part-time work	10	*	*	8

TABLE 22. UNEMPLOYED PERSONS, BY AGE AND WHETHER LOOKING FOR FULL-TIME OR PART-TIME WORK, APRIL 1987

	Number unemployed ('000)					Unemployment rate (per cent)				
	Males		Females		Persons	Males		Females		Persons
	Married	Total	Married	Total		Married	Total	Married	Total	
LOOKING FOR FULL-TIME WORK										
Total	141.4	327.1	75.1	203.7	530.8	5.1	7.6	7.7	10.6	8.5
Aged 15-19	*	63.7	4.3	59.2	122.9	*	20.7	43.6	24.2	22.2
Looking for first job	*	20.7	*	20.9	41.5	..	..	..	..	..
Attending school	*	*	*	*	6.2	n.a.	n.a.	n.a.	n.a.	n.a.
Aged 20 and over	140.1	263.4	70.7	144.5	408.0	5.0	6.6	7.4	8.6	7.2
20-24	11.1	60.8	11.0	44.3	105.1	10.0	11.1	9.5	10.7	10.9
Looking for first job	*	4.3	*	*	7.2	..	..	..	..	..
25-34	45.1	86.3	26.5	46.2	132.5	5.8	7.2	8.9	8.9	7.7
35-44	40.1	54.4	21.7	33.8	88.2	4.4	5.1	7.0	8.2	5.9
45-54	22.8	33.0	9.9	18.2	51.2	3.8	4.7	5.6	7.4	5.4
55 and over	21.0	28.9	*	*	31.0	5.5	6.3	*	*	5.6
Aged 15-64	141.0	326.5	75.1	203.7	530.2	5.1	7.7	7.8	10.6	8.6
LOOKING FOR PART-TIME WORK										
Total	*	30.2	47.2	91.1	121.3	*	9.0	5.5	7.7	8.0
Aged 15-19	*	18.8	*	28.5	47.2	*	16.1	*	17.7	17.0
Attending school	*	11.3	*	17.1	28.4	*	16.4	*	19.4	18.1
Aged 20 and over	*	11.4	46.1	62.6	74.0	*	5.2	5.4	6.1	5.9
20-24	*	4.9	3.7	9.3	14.2	*	10.4	9.3	10.4	10.4
25-34	*	*	18.0	22.4	24.9	*	*	7.0	7.4	7.1
35-44	*	*	15.9	19.4	19.9	*	*	5.0	5.5	5.1
45 and over	*	3.6	8.5	11.5	15.1	*	4.0	3.6	4.1	4.1
Aged 15-64	*	29.9	47.2	91.1	121.0	*	9.8	5.6	7.8	8.2
TOTAL										
Total	144.5	357.3	122.3	294.8	652.1	5.0	7.7	6.7	9.5	8.4
Aged 15-19	*	82.5	5.5	87.7	170.1	*	19.5	40.6	21.6	20.5
Attending school	*	14.2	*	20.4	34.6	*	19.4	*	22.2	21.0
Aged 20 and over(a)	143.2	274.8	116.8	207.1	482.0	4.9	6.5	6.4	7.6	7.0
20-24	11.2	65.7	14.7	53.6	119.3	9.9	11.0	9.5	10.7	10.9
25-34	45.8	88.7	44.6	68.6	157.3	5.7	7.1	8.0	8.3	7.6
35-44	40.1	54.9	37.5	53.2	108.1	4.3	4.9	6.0	7.0	5.8
45-54	23.3	33.9	16.1	26.1	60.0	3.8	4.7	4.7	6.0	5.2
55-59	14.9	19.7	) 3.9	( 4.6	24.3	6.1	6.7	) 3.3	( 3.9	5.9
60-64	7.6	11.1	)	(	12.1	5.7	7.0	)	(	2.2
Aged 15-64	144.2	356.4	122.3	294.8	651.2	5.0	7.8	6.7	9.5	8.5

(a) Includes unemployed persons aged 65 and over, details for whom are not shown separately.

TABLE 23. UNEMPLOYED PERSONS: BIRTHPLACE BY AGE, APRIL 1987

	Number unemployed ('000)			Unemployment rate (per cent)		
	Males	Females	Persons	Males	Females	Persons
BORN IN AUSTRALIA						
Total	249.9	212.5	462.3	7.4	9.0	8.0
Looking for full-time work	225.2	144.8	369.9	7.2	10.0	8.1
Looking for part-time work	24.7	67.7	92.4	9.4	7.3	7.8
Aged 15-19	70.7	76.8	147.5	18.6	21.0	19.8
Aged 20 and over	179.2	135.6	314.8	5.9	6.8	6.3
20-24	50.0	43.5	93.6	10.0	10.5	10.3
25-34	64.0	47.1	111.1	6.6	7.4	7.0
35-44	32.2	29.4	61.7	4.3	5.6	4.8
45-54	17.3	12.9	30.2	3.7	4.3	3.9
55 and over	15.5	*	18.3	4.7	*	3.9
Aged 15-64	249.5	212.5	462.0	7.5	9.0	8.1
BORN OUTSIDE AUSTRALIA						
Total	107.4	82.3	189.8	8.8	11.1	9.6
Looking for full-time work	102.0	58.9	160.9	8.8	12.2	9.8
Looking for part-time work	5.5	23.4	28.9	7.5	9.0	8.7
Aged 15-19	11.8	10.8	22.6	26.4	27.2	26.8
Aged 20 and over	95.7	71.5	167.2	8.1	10.1	8.9
20-24	15.7	10.1	25.8	15.8	11.5	13.8
25-34	24.7	21.5	46.2	8.9	11.2	9.8
35-44	22.6	23.8	46.4	6.2	10.0	7.7
45-54	16.6	13.2	29.8	6.5	9.8	7.6
55 and over	16.1	*	19.0	8.7	*	7.9
Aged 15-64	106.9	82.3	189.2	8.8	11.2	9.7

TABLE 24. UNEMPLOYED PERSONS, BY DURATION OF UNEMPLOYMENT AND AGE, ETC., APRIL 1987

Duration of unemployment (weeks)	Age group				Total (a)	Married	Not married	Looking for -	
	15-19	20-24	25-34	35-54				Full-time work	Part-time work
MALES									
- '000 -									
Under 2	4.8	3.9	4.4	*	18.5	6.5	12.0	14.3	4.3
2 and under 4	7.9	7.6	6.7	6.1	29.0	9.7	19.3	24.6	4.4
4 and under 8	9.4	8.0	8.3	7.5	35.0	13.0	22.0	28.3	6.7
8 and under 13	11.1	5.3	7.9	6.8	32.2	11.0	21.2	28.0	4.2
13 and under 26	24.0	13.5	17.0	13.6	71.7	23.3	48.4	66.9	4.9
26 and under 39	8.6	5.4	9.5	6.8	32.8	13.6	19.2	31.6	)
39 and under 52	4.0	4.3	4.8	4.0	19.3	8.8	10.5	19.0	) 4.0
52 and under 65	3.7	5.0	7.5	5.5	24.2	9.7	14.5	22.8	)
65 and under 104	5.9	*	5.9	9.6	28.5	12.1	16.4	27.4	)
104 and over	*	9.6	16.7	25.8	66.0	36.8	29.2	64.4	) *
Total	82.5	65.7	88.7	88.8	357.3	144.5	212.8	327.1	30.2
- weeks -									
Average duration - Mean	25.6	46.2	56.8	78.6	55.9	69.6	46.6	59.0	22.4
Median	15	17	26	40	22	32	19	26	7
FEMALES									
- '000 -									
Under 2	6.3	*	6.2	7.9	24.2	13.1	11.1	10.4	13.9
2 and under 4	8.8	6.5	7.6	8.1	30.9	13.8	17.2	18.4	12.5
4 and under 8	13.0	7.2	12.2	9.2	42.8	17.7	25.1	25.6	17.3
8 and under 13	11.9	8.7	11.0	10.3	42.5	21.2	21.3	26.9	15.6
13 and under 26	27.9	10.2	11.6	12.0	62.4	18.4	44.1	47.1	15.4
26 and under 39	6.0	4.6	4.7	6.5	21.9	9.4	12.5	16.5	5.4
39 and under 52	*	*	*	*	10.4	3.8	6.7	9.8	*
52 and under 65	3.8	3.5	4.5	7.0	19.4	10.1	9.3	14.1	5.4
65 and under 104	*	*	*	5.0	12.6	4.5	8.1	10.8	)
104 and over	4.7	5.5	5.6	10.5	27.4	10.4	17.0	24.2	) 5.0
Total	87.7	53.6	68.6	79.3	294.8	122.3	172.5	203.7	91.1
- weeks -									
Average duration - Mean	24.1	37.1	30.5	42.6	33.4	30.2	35.7	40.3	18.0
Median	13	14	10	14	13	10	14	16	8
PERSONS									
- '000 -									
Under 2	11.1	7.0	10.6	11.1	42.8	19.6	23.2	24.6	18.1
2 and under 4	16.7	14.1	14.3	14.2	59.9	23.5	36.4	43.0	16.9
4 and under 8	22.3	15.2	20.5	16.7	77.8	30.7	47.2	53.8	24.0
8 and under 13	23.0	14.0	18.9	17.1	74.7	32.2	42.6	54.9	19.9
13 and under 26	52.0	23.7	28.6	25.6	134.1	41.7	92.5	113.9	20.2
26 and under 39	14.6	10.0	14.2	13.3	54.7	23.0	31.7	48.1	6.7
39 and under 52	6.4	6.1	8.1	6.8	29.7	12.6	17.2	28.8	*
52 and under 65	7.5	8.5	12.0	12.4	43.6	19.8	23.8	36.9	6.8
65 and under 104	8.9	5.7	8.0	14.7	41.1	16.6	24.5	38.2	*
104 and over	7.7	15.1	22.2	36.3	93.4	47.2	46.2	88.6	4.8
Total	170.1	119.3	157.3	168.0	652.1	266.8	385.3	530.8	121.3
- weeks -									
Average duration - Mean	24.8	42.1	45.3	61.6	45.7	51.5	41.7	51.8	19.1
Median	14	15	17	25	17	18	16	20	8

(a) Includes persons aged 55 and over, details for whom are not shown separately.

TABLE 25. UNEMPLOYED PERSONS: INDUSTRY AND OCCUPATION OF LAST FULL-TIME JOB  
AND DURATION OF UNEMPLOYMENT, APRIL 1987  
( '000)

	Duration of unemployment (weeks)							Total		
	Under 4	4 and under 8	8 and under 13	13 and under 26	26 and under 39	39 and under 65	65 and over	Males	Females	Persons
Had worked full time for two weeks or more in the last two years	60.2	50.5	42.8	78.3	39.7	48.5	23.2	216.0	127.3	343.2
Industry division or subdivision -										
Agriculture, forestry, fishing & hunting	*	5.8	*	4.9	---	3.8	---	17.0	4.3	21.3
Agriculture & services to agriculture	*	5.7	*	4.4	---	5.0	---	15.6	3.9	19.5
Manufacturing	12.2	9.6	6.7	15.6	9.2	13.4	6.6	54.0	19.4	73.4
Food, beverages and tobacco	---	4.0	---	3.5	---	4.4	---	10.9	3.9	14.8
Metal products	---	4.5	---	---	5.0	---	*	9.7	*	10.6
Other manufacturing	8.2	6.5	4.0	10.0	5.6	9.7	4.0	33.4	14.6	48.0
Construction	7.5	4.7	4.5	9.3	3.5	5.4	*	35.9	*	37.5
Wholesale and retail trade	15.9	9.2	10.7	17.0	9.9	11.2	3.6	39.1	38.4	77.5
Wholesale trade	---	4.2	---	6.0	---	4.8	---	10.1	5.7	15.8
Retail trade	13.3	7.6	8.2	13.6	7.3	8.9	*	29.0	32.7	61.7
Transport and storage	*	3.5	*	3.5	---	4.1	---	13.5	*	15.4
Finance, property & business services	4.3	---	4.2	4.4	---	5.1	---	9.3	10.0	19.3
Public administration and defence	---	4.0	---	4.4	3.5	---	4.6	10.8	7.4	18.2
Community services	4.7	5.0	6.4	7.3	4.2	---	5.3	10.8	22.3	33.0
Recreation, personal & other services	6.2	6.8	6.1	9.5	*	4.8	*	18.7	20.4	39.1
Other industries	---	4.3	---	---	3.6	---	*	6.8	*	8.5
Occupation group -										
Managers and administrators	---	3.8	---	3.8	---	4.9	---	11.7	4.0	15.7
Professionals	---	6.1	---	---	4.3	---	3.6	8.6	9.2	17.8
Para-professionals	---	3.7	---	---	---	4.0	---	4.8	*	7.6
Tradespersons	11.1	5.9	6.3	12.7	7.4	9.6	4.4	48.6	9.0	57.6
Clerks	8.9	8.6	6.9	7.6	3.5	4.7	*	10.1	32.7	42.7
Salespersons and personal service workers	12.4	8.7	8.5	12.4	5.1	6.4	*	16.7	38.8	55.5
Plant and machine operators	6.3	4.8	*	8.2	4.0	4.9	*	26.2	6.2	32.4
Labourers and related workers	15.3	15.6	12.5	30.3	14.5	17.2	8.4	89.2	24.6	113.8
Other	29.6	27.4	32.0	55.8	15.0	24.9	111.3	136.7	159.3	296.0
Looking for first job	9.6	8.5	11.1	27.4	6.1	5.5	15.7	36.1	47.9	84.0
Looking for full-time work	4.0	*	6.1	20.0	4.2	4.8	14.5	27.1	29.7	56.8
Other	19.9	18.9	20.9	28.4	8.9	19.3	95.7	100.6	111.4	212.1
Stood down	12.9	..	..	..	..	..	..	4.6	8.2	12.9
Total	102.7	77.8	74.7	134.1	54.7	73.4	134.6	357.3	294.8	652.1

TABLE 26. UNEMPLOYED PERSONS: AGE AND ACTIVE STEPS TAKEN TO FIND WORK(a), APRIL 1987 ('000)

	Males	Females	Persons			Total
			Aged 15-19	Aged 20-24	Aged 25 and over	
Took active steps to find work	352.7	286.6	166.9	117.6	354.7	639.2
Wrote, phoned or applied in person to an employer	260.0	215.6	125.3	88.3	262.0	475.6
Answered a newspaper advertisement for a job	11.7	12.3	6.3	5.0	12.7	24.0
Checked factory or Commonwealth Employment Service noticeboards	47.1	33.6	19.9	15.6	45.1	80.6
Been registered with the Commonwealth Employment Service	28.8	15.7	12.0	6.7	25.8	44.5
Checked or registered with any other employment agency	*	*	*	*	*	*
Advertised or tendered for work	*	*	*	*	*	*
Contacted relatives or friends	*	6.1	*	*	6.9	9.5
Stood down	4.6	8.2	*	*	7.9	12.9
Total	357.3	294.8	170.1	119.3	362.7	652.1

(a) See Explanatory Notes, paragraph 15.

TABLE 27. PERSONS NOT IN THE LABOUR FORCE: AGE AND MARITAL STATUS, APRIL 1987

Age group	Males			Females			Persons	Proportion of population - per cent -
	Married	Not married	Total	Married	Not married	Total		
	- '000 -							
15-19	*	274.3	274.6	8.7	259.4	268.1	542.8	39.6
20-24	3.7	61.5	65.2	77.0	72.5	149.5	214.7	16.3
25-34	28.2	40.4	68.6	402.8	85.7	488.5	557.1	21.2
35-44	41.1	23.6	64.7	327.0	61.8	388.8	453.5	19.5
45-54	59.3	30.2	89.5	286.3	65.8	352.1	441.6	27.5
55-59	62.6	23.2	85.8	195.4	57.2	252.6	338.4	45.2
60-64	153.7	36.1	189.8	216.3	99.8	316.1	505.9	71.1
65-69	184.5	48.3	232.8	176.5	124.2	300.7	533.5	90.9
70 and over	292.9	129.6	422.5	196.9	471.5	668.4	1,090.9	96.6
Total	826.2	667.3	1,493.5	1,886.9	1,298.0	3,184.9	4,678.4	37.7

TABLE 28. PERSONS NOT IN THE LABOUR FORCE: WHETHER LOOKING FOR WORK, ETC., APRIL 1987 ('000)

	Males			Females			Persons
	Married	Not married	Total	Married	Not married	Total	
Looking for work	11.6	22.4	33.9	31.0	25.0	56.0	89.9
Took active steps to find work(a)	4.7	11.2	15.9	7.5	9.5	17.0	32.9
Did not take active steps to find work	6.8	11.2	18.0	23.5	15.5	39.0	57.0
Not looking for work	782.3	586.3	1,368.7	1,838.6	1,142.2	2,980.8	4,349.5
Permanently unable to work	10.5	8.8	19.3	*	9.4	12.8	32.2
In institutions	21.9	49.7	71.6	13.8	121.4	135.2	206.8
Total	826.2	667.3	1,493.5	1,886.9	1,298.0	3,184.9	4,678.4

(a) Not available to start work in the survey week for reasons other than own temporary illness or injury.

TABLE 29. ESTIMATES OF LABOUR FORCE STATUS AND GROSS CHANGES (FLOWS) DERIVED FROM MATCHED RECORDS  
MARCH 1987 AND APRIL 1987  
('000)

Labour force status in - March 1987	April 1987	Males	Females		Persons
			Married	Total	
Employed full time	Employed full time	3,139.4	664.5	1,285.0	4,424.3
	Employed part time	39.1	45.4	61.0	100.0
	Unemployed	25.2	*	9.9	35.1
	Not in the labour force	34.2	20.7	30.0	64.2
Employed part time	Employed full time	40.4	51.9	74.5	115.0
	Employed part time	160.7	574.4	761.1	921.8
	Unemployed	13.5	9.5	16.5	30.1
	Not in the labour force	24.1	55.7	72.2	96.3
Unemployed	Employed full time	42.4	7.2	21.4	63.8
	Employed part time	17.0	15.2	27.5	44.6
	Unemployed	202.7	53.3	139.4	342.0
	Not in the labour force	34.7	32.1	60.6	95.3
Not in the labour force	Employed full time	16.8	9.6	14.1	31.0
	Employed part time	19.3	44.4	62.0	81.3
	Unemployed	25.0	30.9	57.3	82.4
	Not in the labour force	1,011.8	1,420.7	2,282.8	3,294.5
<hr/>					
Total flows into	Employed	95.5	76.5	125.1	220.6
	Full time	99.6	68.8	110.1	209.8
	Part time	75.4	105.0	150.5	225.9
	Unemployed	63.8	43.5	83.7	147.6
Total flows out of	Not in the labour force	93.0	108.5	162.8	255.8
	Employed	97.1	89.0	128.6	225.7
	Full time	98.5	69.2	100.8	199.3
	Part time	78.1	117.1	163.3	241.3
Total changes of status	Unemployed	94.1	54.5	109.6	203.7
	Not in the labour force	61.1	84.9	133.5	194.6
Total changes of status		252.3	228.4	371.7	624.0
Population represented by the matched sample		4,846.4	3,038.7	4,975.3	9,821.7

TABLE 30. FAMILY STATUS OF THE CIVILIAN POPULATION AGED 15 AND OVER: SUMMARY TABLE, APRIL 1987

	Employed	Unemployed	Labour force	Not in labour force	Civilian population aged 15 and over		
					Males	Females	Persons
	NUMBER ('000)						
Member of a family	5,844.4	508.3	6,352.8	3,567.9	4,942.0	4,978.7	9,920.7
Husband or wife	4,315.7	252.5	4,568.2	2,566.5	3,594.7	3,540.0	7,134.7
With children aged 0-14 present	2,343.3	166.4	2,509.7	808.5	1,680.3	1,637.9	3,318.2
Without children aged 0-14 present	1,972.4	86.1	2,058.5	1,758.0	1,914.4	1,902.1	3,816.5
With dependents present	2,678.5	181.4	2,859.9	914.7	1,908.8	1,865.8	3,774.6
Without dependents present	1,637.2	71.1	1,708.3	1,651.8	1,685.9	1,674.2	3,360.1
Not-married family head	238.0	33.0	271.0	319.3	112.5	477.8	590.3
With children aged 0-14 present	116.8	18.8	135.6	153.1	29.6	259.1	288.6
Without children aged 0-14 present	121.3	14.2	135.5	166.2	83.0	218.8	301.7
With dependents present	151.5	22.0	173.5	174.9	44.3	304.1	348.4
Without dependents present	86.5	11.0	97.5	144.4	68.3	173.7	242.0
Full-time student aged 15-24(a)	193.7	49.8	243.5	475.7	362.6	356.5	719.2
Other child(b) of family head	1,018.5	155.6	1,174.0	92.5	787.2	479.3	1,266.6
Other relative of family head	78.6	17.4	96.1	113.9	84.9	125.0	210.0
Not a member of a family	957.6	93.1	1,050.6	675.0	831.5	894.1	1,725.6
Living alone	437.9	33.3	471.3	576.5	450.6	597.2	1,047.8
Not living alone	519.6	59.7	579.3	98.5	380.9	296.9	677.8
Usual resident of a private dwelling where family status was determined	6,802.0	601.4	7,403.4	4,242.9	5,773.5	5,872.8	11,646.3
Usual resident of a private dwelling where family status was not determined	135.9	20.1	156.0	66.6	94.0	128.6	222.6
Total usual residents of private dwellings	6,937.9	621.5	7,559.4	4,309.5	5,867.5	6,001.4	11,868.9
Visitors to private dwellings	46.2	9.4	55.6	55.8	49.3	62.2	111.4
Persons enumerated in non-private dwellings	103.6	21.2	124.8	313.1	199.3	238.5	437.8
Total	7,087.7	652.1	7,739.8	4,678.4	6,116.1	6,302.1	12,418.2
	PROPORTION OF TOTAL (per cent)						
Member of a family	82.5	78.0	82.1	76.3	80.8	79.0	79.9
Husband or wife	60.9	38.7	59.0	54.9	58.8	56.2	57.5
With children aged 0-14 present	33.1	25.5	32.4	17.3	27.5	26.0	26.7
Without children aged 0-14 present	27.8	13.2	26.6	37.6	31.3	30.2	30.7
With dependents present	37.8	27.8	37.0	19.6	31.2	29.6	30.4
Without dependents present	23.1	10.9	22.1	35.3	27.6	26.6	27.1
Not-married family head	3.4	5.1	3.5	6.8	1.8	7.6	4.8
With children aged 0-14 present	1.6	2.9	1.8	3.3	0.5	4.1	2.3
Without children aged 0-14 present	1.7	2.2	1.8	3.6	1.4	3.5	2.4
With dependents present	2.1	3.4	2.2	3.7	0.7	4.8	2.8
Without dependents present	1.2	1.7	1.3	3.1	1.1	2.8	1.9
Full-time student aged 15-24(a)	2.7	7.6	3.1	10.2	5.9	5.7	5.8
Other child(b) of family head	14.4	23.9	15.2	2.0	12.9	7.6	10.2
Other relative of family head	1.1	2.7	1.2	2.4	1.4	2.0	1.7
Not a member of a family	13.5	14.3	13.6	14.4	13.6	14.2	13.9
Living alone	6.2	5.1	6.1	12.3	7.4	9.5	8.4
Not living alone	7.3	9.2	7.5	2.1	6.2	4.7	5.5
Usual resident of a private dwelling where family status was determined	96.0	92.2	95.7	90.7	94.4	93.2	93.8
Usual resident of a private dwelling where family status was not determined	1.9	3.1	2.0	1.4	1.5	2.0	1.8
Total usual residents of private dwellings	97.9	95.3	97.7	92.1	95.9	95.2	95.6
Visitors to private dwellings	0.7	1.4	0.7	1.2	0.8	1.0	0.9
Persons enumerated in non-private dwellings	1.5	3.2	1.6	6.7	3.3	3.8	3.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(a) Excludes persons aged 20-24 attending school.  
 (b) Aged 15 and over.

TABLE 31. FAMILY STATUS AND LABOUR FORCE STATUS OF PERSONS AGED 15 AND OVER(a), APRIL 1987

	Employed			Unemployed		Labour force	Not in labour force	Civilian population aged 15 and over	Unemployment rate	Participation rate
	Full-time workers	Part-time workers	Total	Looking for full-time work	Total					
	- '000 -								- per cent -	
MALES										
Member of a family	3,278.8	246.9	3,525.7	250.4	273.7	3,799.5	1,142.5	4,942.0	7.2	76.9
Husband	2,572.9	111.0	2,684.0	133.7	136.9	2,820.9	773.9	3,594.7	4.9	78.5
With children aged 0-14 present	1,473.5	39.7	1,513.2	87.3	88.0	1,601.2	79.1	1,680.3	5.5	95.3
Without children aged 0-14 present	1,099.4	71.4	1,170.8	46.4	48.9	1,219.7	694.7	1,914.4	4.0	63.7
With dependents present	1,661.6	49.0	1,710.6	93.8	94.8	1,805.4	103.4	1,908.8	5.3	94.6
Without dependents present	911.3	62.1	973.4	39.9	42.0	1,015.4	670.5	1,685.9	4.1	60.2
Not-married family head	64.9	6.5	71.4	7.3	7.8	79.2	33.3	112.5	9.9	70.4
With children aged 0-14 present	18.9	*	20.6	*	*	23.5	6.0	29.6	*	79.6
Without children aged 0-14 present	46.0	4.7	50.8	4.5	4.9	55.7	27.3	83.0	8.8	67.1
With dependents present	29.7	*	32.2	3.5	3.9	36.1	8.1	44.3	10.8	81.6
Without dependents present	35.2	3.9	39.1	3.8	3.9	43.1	25.2	68.3	9.2	63.1
Full-time student aged 15-24(b)	6.1	84.6	90.7	5.3	21.7	112.3	250.3	362.6	19.3	31.0
Other child(c) of family head	591.9	41.9	633.8	94.3	96.9	730.7	56.6	787.2	13.3	92.8
Other relative of family head	43.0	*	46.0	9.8	10.4	56.4	28.5	84.9	18.5	66.4
Not a member of a family	541.6	41.1	582.8	49.7	53.7	636.5	195.0	831.5	8.4	76.5
Living alone	262.2	18.3	280.5	21.0	21.8	302.3	148.3	450.6	7.2	67.1
Not living alone	279.4	22.9	302.3	28.7	31.9	334.2	46.7	380.9	9.5	87.7
Total	3,820.4	288.1	4,108.5	300.1	327.4	4,435.9	1,337.6	5,773.5	7.4	76.8
FEMALES										
Member of a family	1,324.2	994.6	2,318.7	155.2	234.6	2,553.3	2,425.3	4,978.7	9.2	51.3
Wife	853.2	778.5	1,631.7	69.8	115.6	1,747.3	1,792.6	3,540.0	6.6	49.4
With children aged 0-14 present	338.2	491.9	830.1	43.6	78.4	908.5	729.4	1,637.9	8.6	55.5
Without children aged 0-14 present	515.1	286.6	801.6	26.2	37.2	838.8	1,063.3	1,902.1	4.4	44.1
With dependents present	412.6	555.3	967.9	48.9	86.5	1,054.5	811.3	1,865.8	8.2	56.5
Without dependents present	440.7	223.1	663.8	20.9	29.1	692.9	981.3	1,674.2	4.2	41.4
Not-married family head	102.6	64.1	166.7	17.0	25.2	191.8	286.0	477.8	13.1	40.1
With children aged 0-14 present	51.3	44.9	96.2	9.6	15.9	112.0	147.0	259.1	14.2	43.2
Without children aged 0-14 present	51.3	19.2	70.5	7.4	9.3	79.8	139.0	218.8	11.6	36.5
With dependents present	69.5	49.8	119.3	10.8	18.1	137.4	166.7	304.1	13.2	45.2
Without dependents present	33.1	14.3	47.4	6.1	7.1	54.4	119.3	173.7	13.0	31.3
Full-time student aged 15-24(b)	*	101.9	103.0	6.0	28.2	131.2	225.3	356.5	21.5	36.8
Other child(c) of family head	339.0	45.7	384.7	55.9	58.6	443.3	36.0	479.3	13.2	92.5
Other relative of family head	28.2	4.5	32.7	6.5	7.0	39.7	85.4	125.0	17.6	31.7
Not a member of a family	316.5	58.3	374.8	33.0	39.4	414.1	480.0	894.1	9.5	46.3
Living alone	130.6	26.9	157.4	9.9	11.6	169.0	428.2	597.2	6.8	28.3
Not living alone	185.9	31.4	217.4	23.1	27.8	245.2	51.7	296.9	11.3	82.6
Total	1,640.7	1,052.8	2,693.5	188.3	274.0	2,967.5	2,905.3	5,872.8	9.2	50.5
PERSONS										
Member of a family	4,603.0	1,241.5	5,844.4	405.7	508.3	6,352.8	3,567.9	9,920.7	8.0	64.0
Husband or wife	3,426.1	889.5	4,315.7	203.5	252.5	4,568.2	2,566.5	7,134.7	5.5	64.0
With children aged 0-14 present	1,811.7	531.6	2,343.3	130.9	166.4	2,509.7	808.5	3,318.2	6.6	75.6
Without children aged 0-14 present	1,614.5	357.9	1,972.4	72.6	86.1	2,058.5	1,758.0	3,816.5	4.2	53.9
With dependents present	2,074.2	604.3	2,678.5	142.8	181.4	2,859.9	914.7	3,774.6	6.3	75.8
Without dependents present	1,352.0	285.2	1,637.2	60.7	71.1	1,708.3	1,651.8	3,360.1	4.2	50.8
Not-married family head	167.5	70.5	238.0	24.3	33.0	271.0	319.3	590.3	12.2	45.9
With children aged 0-14 present	70.1	46.6	116.8	12.3	18.8	135.6	153.1	288.6	13.9	47.0
Without children aged 0-14 present	97.4	23.9	121.3	11.9	14.2	135.5	166.2	301.7	10.5	44.9
With dependents present	99.2	52.3	151.5	14.3	22.0	173.5	174.9	348.4	12.7	49.8
Without dependents present	68.3	18.2	86.5	10.0	11.0	97.5	144.4	242.0	11.3	40.3
Full-time student aged 15-24(b)	7.2	186.5	193.7	11.3	49.8	243.5	475.7	719.2	20.5	33.9
Other child(c) of family head	930.9	87.5	1,018.5	150.3	155.6	1,174.0	92.5	1,266.6	13.3	92.7
Other relative of family head	71.2	7.4	78.6	16.4	17.4	96.1	113.9	210.0	18.1	45.8
Not a member of a family	858.1	99.4	957.6	82.7	93.1	1,050.6	675.0	1,725.6	8.9	60.9
Living alone	392.8	45.1	437.9	30.9	33.3	471.3	576.5	1,047.8	7.1	45.0
Not living alone	465.3	54.3	519.6	51.8	59.7	579.3	98.5	677.8	10.3	85.5
Total	5,461.1	1,340.9	6,802.0	488.4	601.4	7,403.4	4,242.9	11,646.3	8.1	63.6

(a) Civilians who were residents of private dwellings where family status was determined. See Explanatory Notes.  
(b) Excludes persons aged 20-24 attending school.  
(c) Aged 15 and over.

TABLE 32. ALL FAMILIES(a): TYPE OF FAMILY, NUMBER OF FAMILY MEMBERS AND EMPLOYMENT STATUS(b), APRIL 1987  
( '000 families)

Number of family members(c)	None employed			One employed			Two or more employed			Total		
	None unemp-loyed	One or more unemp-loyed	Total	None unemp-loyed	One or more unemp-loyed	Total	None unemp-loyed	One or more unemp-loyed	Total	None unemp-loyed	One or more unemp-loyed	Total
MARRIED-COUPLE FAMILIES												
Two	526.6	24.9	551.6	236.0	24.0	259.9	447.1	..	447.1	1,209.7	48.9	1,258.6
Three	37.5	26.9	64.4	225.1	32.3	257.4	357.1	17.0	374.1	619.7	76.1	695.8
Four	16.7	30.3	47.0	264.4	47.4	311.7	546.8	39.4	586.1	827.8	117.0	944.8
Five	8.2	18.1	26.4	127.7	23.7	151.4	267.3	29.4	296.7	403.2	71.3	474.4
Six or more	7.4	15.4	22.8	44.6	9.3	53.9	99.9	16.0	115.9	151.8	40.7	192.6
Total	596.4	115.6	712.0	897.7	136.6	1,034.3	1,718.2	101.7	1,819.9	3,212.2	354.0	3,566.2
OTHER FAMILIES WITH A MALE HEAD												
Two	11.3	5.5	16.7	26.9	5.6	32.5	31.3	..	31.3	69.5	11.1	80.6
Three	*	)	5.0	6.7	*	8.5	8.4	*	9.4	17.3	5.6	22.9
Four or more	*	)	3.6	*	*	4.1	*	*	3.7	7.1	*	9.7
Total	14.6	9.0	23.6	37.0	8.1	45.1	42.2	*	44.5	93.9	19.3	113.2
OTHER FAMILIES WITH A FEMALE HEAD												
Two	93.3	16.6	110.0	108.9	8.6	117.5	31.7	..	31.7	234.0	25.2	259.2
Three	47.9	12.1	60.0	46.4	8.8	55.2	29.3	)	( 32.4	123.6	24.0	147.6
Four	18.1	4.3	22.5	14.9	)	( 16.9	12.1	)	5.4 ( 14.4	45.2	8.6	53.8
Five or more	8.0	*	10.3	3.8	)	3.6 ( 5.4	3.7	*	4.7	15.4	4.9	20.3
Total	167.3	35.4	202.8	174.0	20.9	194.9	76.8	6.4	83.2	418.2	62.7	480.9
OTHER FAMILIES: TOTAL												
Two	104.6	22.1	126.7	135.8	14.1	150.0	63.1	..	63.1	303.5	36.3	339.8
Three	50.1	15.0	65.0	53.1	10.6	63.7	37.7	4.0	41.8	140.9	29.6	170.5
Four	19.2	4.4	23.6	17.6	)	( 20.2	14.1	)	( 17.4	50.9	10.3	61.2
Five	6.4	*	8.4	3.6	)	3.8 ( 4.9	)	4.0 ( 3.5	12.8	4.0	16.9	
Six or more	*	*	*	*	*	*	4.2	(	*	3.9	*	5.7
Total	181.9	44.4	226.4	211.0	29.0	240.0	119.1	8.6	127.7	512.0	82.0	594.1
ALL FAMILIES												
Two	631.2	47.1	678.3	371.8	38.1	409.9	510.2	..	510.2	1,513.2	85.2	1,598.4
Three	87.5	41.8	129.4	278.2	42.9	321.1	394.8	21.0	415.8	760.6	105.7	866.3
Four	35.9	34.7	70.6	282.0	49.9	331.9	560.9	42.7	603.5	878.7	127.3	1,006.0
Five	14.6	20.2	34.8	131.3	25.0	156.3	270.1	30.1	300.2	416.0	75.3	491.3
Six or more	9.1	16.3	25.3	45.4	9.7	55.1	101.3	16.6	117.9	155.8	42.5	198.3
Total	778.3	160.1	938.4	1,108.7	165.6	1,274.3	1,837.3	110.4	1,947.7	3,724.3	436.0	4,160.3

(a) See Explanatory Notes for details of exclusions to family tables.

(b) Employment status refers to persons aged 15 and over only.

(c) Of any age.

TABLE 33. ALL FAMILIES(a): TYPE OF FAMILY, NUMBER OF CHILDREN AGED 0-14 PRESENT, NUMBER OF DEPENDENTS PRESENT, AND LABOUR FORCE STATUS(b), APRIL 1987 ('000 families)

	Number of children aged 0-14 present			Number of dependents present			Total
	None	One	Two or more	None	One	Two or more	
NO FAMILY MEMBER EMPLOYED							
Married-couple families	595.9	38.1	78.0	582.1	43.6	86.3	712.0
One or both spouses unemployed(c)	30.0	20.5	50.5	27.7	19.3	54.0	101.0
Husband unemployed, wife unemployed	7.5	4.8	9.7	6.4	5.0	10.6	22.0
Husband unemployed, wife not in the labour force	20.2	14.3	38.2	19.3	13.3	40.1	72.7
Neither spouse unemployed	565.9	17.6	27.6	554.4	24.4	32.3	611.0
Other families	72.7	81.7	72.0	57.4	84.7	84.3	226.4
Family head unemployed	5.7	8.6	8.2	3.7	8.7	10.1	22.5
Male head unemployed	*	*	*	*	*	*	5.6
Female head unemployed	*	7.3	6.9	*	6.5	8.7	16.9
Family head not unemployed	67.0	73.0	63.7	53.7	75.9	74.2	203.8
Male head not in the labour force	12.8	*	*	11.4	4.2	*	18.0
Female head not in the labour force	54.2	70.1	61.6	42.3	71.7	71.8	185.8
All families	668.6	119.8	150.0	639.5	128.3	170.6	938.4
ONE OR MORE FAMILY MEMBERS EMPLOYED							
Married-couple families	1,315.1	552.4	986.7	1,101.0	557.6	1,195.4	2,854.2
One or both spouses unemployed(c)	46.8	28.5	50.4	36.5	30.0	59.3	125.8
Husband employed, wife unemployed	25.4	19.7	39.7	19.9	19.9	45.0	84.8
Husband unemployed, wife employed	12.1	5.5	8.5	9.9	6.1	10.1	26.1
Husband unemployed, wife unemployed	*	*	*	*	*	*	*
Husband unemployed, wife not in the labour force	7.3	*	*	5.7	*	*	11.4
Neither spouse unemployed	1,268.2	524.0	936.3	1,064.5	527.6	1,136.0	2,728.5
Husband employed, wife employed	746.7	296.8	508.5	617.5	293.3	641.2	1,552.0
Husband employed, wife not in the labour force	394.9	211.4	414.7	332.7	213.2	474.8	1,021.0
Husband not in the labour force, wife employed	47.1	9.3	9.8	40.7	11.9	13.7	66.2
Husband not in the labour force, wife not in the labour force	79.5	6.4	*	73.6	9.2	6.4	89.3
Other families	232.7	84.6	50.4	188.4	105.7	73.6	367.7
Family head unemployed	8.8	*	*	7.7	*	*	10.7
Male head unemployed	*	*	*	*	*	*	*
Female head unemployed	6.8	*	*	5.6	*	*	8.5
Family head not unemployed	223.8	83.3	49.9	180.8	103.3	72.9	357.0
Male head employed	51.2	13.4	7.2	39.8	20.6	11.3	71.7
Female head employed	71.3	59.2	37.1	48.2	67.7	51.6	167.5
Male head not in the labour force	14.7	*	*	14.1	*	*	15.6
Female head not in the labour force	86.7	10.1	5.4	78.8	14.2	9.2	102.1
All families	1,547.7	637.0	1,037.2	1,289.4	663.3	1,268.9	3,221.9
TOTAL							
Married-couple families	1,911.0	590.5	1,064.7	1,683.0	601.2	1,281.6	3,566.2
One or both spouses unemployed(c)	76.9	49.0	100.9	64.2	49.3	113.3	226.8
Husband employed, wife unemployed	25.4	19.7	39.7	19.9	19.9	45.0	84.8
Husband unemployed, wife employed	12.1	5.5	8.5	9.9	6.1	10.1	26.1
Husband unemployed, wife unemployed	9.4	5.5	10.2	7.2	6.2	11.8	25.1
Husband unemployed, wife not in the labour force	27.4	16.7	39.9	25.0	16.1	42.9	84.1
Neither spouse unemployed	1,834.1	541.5	963.9	1,618.9	551.9	1,168.3	3,339.5
Husband employed, wife employed	746.7	296.8	508.5	617.5	293.3	641.2	1,552.0
Husband employed, wife not in the labour force	394.9	211.4	414.7	332.7	213.2	474.8	1,021.0
Husband not in the labour force, wife employed	47.1	9.3	9.8	40.7	11.9	13.7	66.2
Husband not in the labour force, wife not in the labour force	645.4	24.0	30.8	628.0	33.6	38.7	700.3
Other families	305.4	166.3	122.4	245.8	190.4	157.9	594.1
Family head unemployed	14.5	10.0	8.8	11.4	11.1	10.8	33.3
Male head unemployed	4.9	*	*	4.0	*	*	7.8
Female head unemployed	9.6	8.5	7.4	7.4	8.8	9.2	25.4
Family head not unemployed	290.9	156.3	113.6	234.5	179.2	147.1	560.8
Male head employed	51.2	13.4	7.2	39.8	20.6	11.3	71.7
Female head employed	71.3	59.2	37.1	48.2	67.7	51.6	167.5
Male head not in the labour force	27.5	3.7	*	25.4	5.0	*	33.6
Female head not in the labour force	140.9	80.1	66.9	121.1	85.9	81.0	288.0
All families	2,216.4	756.8	1,187.2	1,928.9	791.6	1,439.5	4,160.3

(a) See Explanatory Notes for details of exclusions to family tables.

(b) Labour force status refers to persons aged 15 and over only.

(c) Includes a small number of families with husband not in the labour force and wife unemployed.

## TECHNICAL NOTE

For more information on sample design, estimation procedures and reliability of the estimates, for current and earlier surveys, reference should be made to the Technical Note in *The Labour Force, Australia, Historical Summary, 1966 to 1984* (6204.0).

### Estimation procedure

2. The labour force estimates are derived from the population survey by use of a complex ratio estimation procedure, which ensures that the survey estimates conform to an independently estimated distribution of the population by age and sex, rather than to the age and sex distribution within the sample itself.

### Reliability of the estimates

3. Two types of error are possible in an estimate based on a sample survey: sampling error and non-sampling error. The *sampling error* is a measure of the variability that occurs by chance because a sample, rather than the entire population, is surveyed. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings they, and the movements derived from them, are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the surveys. One measure of the likely difference is given by the *standard error*, which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included, and about nineteen chances in twenty that the difference will be less than two standard errors. Another measure of sampling variability is the *relative standard error* which is obtained by expressing the standard error as a percentage of the estimate to which it refers. The relative standard error is a useful measure in that it provides an immediate indication of the percentage errors likely to have occurred due to sampling, and thus avoids the need to refer also to the size of the estimate.

4. Space does not allow for the separate indication of the standard errors of all estimates in this publication. Standard errors of estimates for the latest month and of estimates of movements since the previous month are shown in Table I. Standard errors of other estimates and other monthly movements should be determined by using Tables A and B.

5. The size of the standard error increases with the level of the estimate, so that the larger the estimate the larger is the standard error. However, it should be noted that the larger the sample estimate the smaller will be the standard error in percentage terms. Thus, larger sample estimates will be relatively more reliable than smaller estimates.

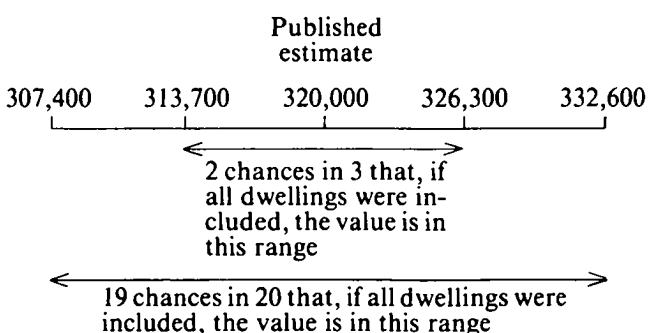
6. As the standard errors in Table A show, the *smaller the estimate the higher is the relative standard error*. Very small estimates are subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. For the labour force survey, estimates which have a relative standard error larger than 25 per cent are not published. In the tables in this publication, estimates below the levels shown in Table C, and percentages based on such estimates, have not been included but are indicated with a '\*'. Although figures for these small components can be derived by subtraction in some cases, they should not be

regarded as reliable. See paragraph 9 concerning higher publication cut-off points for some estimates.

7. The movement in the level of an estimate is also subject to sampling variability. The standard error of the movement depends on the levels of the estimates from which the movement is obtained rather than the size of the movement. An indication of the magnitude of standard errors of monthly movements is given in Table B. The estimates of standard error of monthly movements apply only to estimates of movements between two consecutive months. Movements between corresponding months of consecutive quarters (quarterly movements), corresponding months of consecutive years (annual movements) and other non-consecutive months, will generally be subject to somewhat greater sampling variability than is indicated in Table B. Standard errors of *quarterly* movements can be obtained by multiplying the figures in Table A by 1.11. Standard errors of *quarterly* movements calculated this way will not necessarily agree with those obtained by multiplying the figures in Table B by 1.5, which was the method shown in the June 1985 and previous issues of this publication. This is because Tables A and B are derived independently of each other. Standard errors of all *annual* movements can be obtained by multiplying the figures in Table A by 1.3. When using Table A or Table B to calculate standard errors of movements, refer to the larger of the two estimates from which the movement is derived.

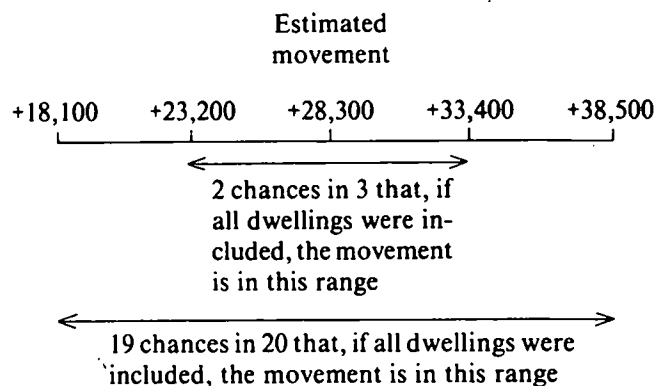
8. Examples of the calculation and use of standard errors are given below:

- (a) From Table A it will be seen that an estimate of 320,000 unemployed males looking for full-time work has a standard error of about 6,300. Therefore there are about two chances in three that the number that would have been obtained if all dwellings had been included in the survey would have been within the range 313,700 to 326,300 and about nineteen chances in twenty that it would have been within the range 307,400 to 332,600.



- (b) An estimate of movement in the number of unemployed males looking for full-time work from one month to the next is an increase of 28,300. Table B relates the standard error of the monthly movement to the larger of the two estimates from which the movement is derived. In this case, if the larger of the two estimates from which the movement is derived was 348,300 (as occurred in December 1986), from Table B it will be seen that the standard error of the monthly movement is about 5,100. Therefore there are about two chances in three that if all

dwellings had been included in the surveys the movement would have been within the range +23,200 to +33,400 and about nineteen chances in twenty that it would have been within the range +18,300 to +38,500



9. The relative standard errors of estimates of *aggregate hours worked*, *average hours worked*, *average duration of unemployment*, and *median duration of unemployment* are obtained by first finding the relative standard error of the estimate of the total number of persons contributing to the estimate (see Table A) and then multiplying the figure so obtained by the following relevant factors:

Aggregate hours worked: 1.2  
Average hours worked: 0.7  
Average (mean) duration of unemployment: 1.3  
Median duration of unemployment: 2.0

Publication cut-off points for these and other labour force estimates (see paragraph 6) are shown in Table C on the next page. Because of these higher relative standard errors, estimates of aggregate hours worked, average duration of unemployment, and median duration of unemployment have higher cut-off points for publication (see paragraph 6) than other estimates as shown in Table A.

10. An example of the calculation of standard errors by the use of these factors is as follows:

If an estimate of median duration of unemployment for unemployed males is 19 weeks and the number unemployed is estimated as 395,400, from Table A it can be estimated that this figure (395,400) has a standard error of about 6,900 and therefore a relative standard error of about 1.7 per cent. The *relative standard error* of the estimate of median duration of unemployment is calculated by multiplying this figure (1.7) by the appropriate factor shown in the previous paragraph (in this case 2.0):

$1.7 \times 2.0 = 3.4$  per cent. The *standard error* of this estimate of median duration of unemployment is therefore 3.4 per cent of 19, i.e. about 1. Therefore there are about two chances in three that the median duration of unemployment for unemployed males that would have been obtained if all dwellings had been included in the survey would have been within the range 18 to 20 weeks and about nineteen chances in twenty that it would have been within the range 17 to 21 weeks.

11. Proportions and percentages (for example, participation rates) formed from the ratio of two estimates are also subject to sampling error. The size of the error depends on the accuracy of both the numerator and denominator. The formula for the relative standard error (RSE) of a proportion or percentage is given below:

$$RSE(x/y) = \sqrt{[RSE(x)]^2 + [RSE(y)]^2}$$

12. Standard errors contained in Tables A and B are designed to provide an average standard error applicable for all monthly labour force survey estimates. Analysis of the standard errors applicable to particular survey estimates has shown that the standard errors of estimates of employment are generally equivalent to those shown in Tables A and B, while standard errors for unemployment and not in the labour force are approximately 3 per cent and 11 per cent respectively higher than those shown in the tables. Standard errors for capital cities are approximately the same as those for corresponding States. Standard errors of estimates of numbers of families are approximately the same as those for numbers of persons. Standard errors of estimates of persons born in Australia are approximately the same as those shown in Tables A and B. For aggregate estimates of persons born outside Australia the standard errors are about 15 per cent higher. The standard errors vary for individual countries of birth, but are generally less than 10 per cent higher.

13. The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by respondents, errors made in collection such as in recording and coding data, and errors made in processing the data. Inaccuracies of this kind are referred to as the *non-sampling error* and they may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

TABLE A. STANDARD ERRORS OF ESTIMATES

Size of estimate	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia	
	— number —								per cent of estimate	
1,000						250				
1,300						280		310		
1,500						300		330		
1,800				430		330	410	350		
2,000				460	480	340	430	370		
2,500				500	530	380	470	400		
3,000			690	550	580	410	500	430		
3,500			750	590	620	440	530	450	820	23.4
4,000	950	960	800	620	660	460	560	470	880	21.9
4,500	1,000	1,000	840	650	690	480	590	500	930	20.7
5,000	1,050	1,050	880	690	720	500	610	510	980	19.6
6,000	1,150	1,150	960	740	780	540	650	550	1,100	17.9
10,000	1,450	1,450	1,200	920	970	660	790	650	1,400	13.9
20,000	2,000	1,950	1,650	1,200	1,300	860	1,050	810	1,950	9.6
50,000	2,900	2,850	2,350	1,700	1,800	1,150	1,450	1,050	2,950	5.9
100,000	3,850	3,700	3,050	2,200	2,300	1,450		1,250	3,950	3.9
200,000	5,100	4,750	3,950	2,750	2,950	1,750			5,300	2.6
300,000	5,900	5,500	4,500	3,100	3,350				6,200	2.1
500,000	7,200	6,500	5,300	3,650	3,900				7,500	1.5
1,000,000	9,200	8,100	6,600						9,700	1.0
2,000,000	11,600	9,900							12,300	0.6
5,000,000									16,500	0.3

TABLE B. STANDARD ERRORS OF ESTIMATES OF MONTHLY MOVEMENTS

Size of larger estimate	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
1,000						230			
1,300						250		270	
1,500						270		290	
1,800				390		280	360	310	
2,000				410	420	300	370	320	
2,500				440	450	320	410	340	
3,000			680	470	490	340	440	370	
3,500			720	500	520	360	470	390	920
4,000	870	920	760	530	540	370	490	400	960
4,500	910	960	790	550	570	390	520	420	1,000
5,000	950	990	820	570	590	400	540	440	1,050
6,000	1,000	1,050	880	610	630	430	580	470	1,100
10,000	1,250	1,250	1,050	740	760	510	710	560	1,350
20,000	1,600	1,600	1,350	960	980	650	930	710	1,750
50,000	2,300	2,250	1,900	1,350	1,400	890	1,350	980	2,500
100,000	3,050	2,850	2,450	1,750	1,800	1,150		1,300	3,200
200,000	3,950	3,650	3,150	2,250	2,300	1,450			4,150
300,000	4,650	4,200	3,650	2,650	2,650				4,850
500,000	5,700	5,100	4,400	3,200	3,200				5,900
1,000,000	7,400	6,500	5,600						7,600
2,000,000	9,700	8,300							9,800
5,000,000									13,900

TABLE C. PUBLICATION CUT-OFF POINTS FOR LABOUR FORCE ESTIMATES(a)

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
Estimates classified by—									
Aggregate hours worked	5,600	5,600	4,200	2,500	2,800	1,400	2,400	1,800	5,100
Average hours worked	2,000	2,000	1,500	900	1,000	500	1,000	700	1,600
Average (mean) duration of unemployment	6,500	6,500	4,900	2,900	3,200	1,600	2,800	2,000	6,000
Median duration of unemployment	14,400	14,100	10,800	6,300	6,900	3,500	5,600	4,000	13,900
All other estimates	4,000	4,000	3,000	1,800	2,000	1,000	1,800	1,300	3,500

(a) See paragraph 9, page 37.

## SUPPLEMENTARY AND SPECIAL SURVEYS RELATING TO THE LABOUR FORCE

Although emphasis in the population survey is placed on the regular collection of data on demographic and labour force characteristics, supplementary and special surveys of particular aspects of the labour force are carried out from time to time. The results of these surveys on labour force and related topics are published separately as shown below.

<i>Title of Publication</i>	<i>Catalogue No.</i>
Alternative Working Arrangements, Australia, March-May 1982	6341.0
Annual and Long Service Leave Taken, Australia, May 1983 to April 1984	6317.0
Assisted and Unassisted Migrants, August 1972; March 1980	3406.0
Career Paths of Persons with Trade Qualifications, Australia, September to November 1982	6243.0
Characteristics of Migrants Aged 18 Years and Over at Time of Arrival and who Arrived After 1960, Australia, March 1984	6250.0
Child Care—May 1969, 1973, 1977; June 1980	4402.0
Educational Experience and Intentions Survey, Australia, 1979	4212.0
Employed Married Women in the Labour Force, November 1979 (Queensland)	6203.3
Employment Benefits. Annually. Latest issue August 1986	6334.0
Employment Status of Teenagers, August 1978(a)	6234.0
Evening and Night Work, November 1976	6329.0
Frequency of Pay, August 1974, 1976 and 1977	6320.0
Income and Housing Survey, 1981-82—	
Income of Individuals	6502.0
Income Distribution, Australia: Income Units	6523.0
Job Search Experience of Unemployed Persons, Australia. Annually. Latest issue June 1986	6222.0
Job Tenure. Latest issue August 1976	6211.0
Journey to Work and Journey to School, May 1970; August 1974	9205.0
Labour Force Experience. Annually. Latest issue February 1986	6206.0
Labour Force Status and Educational Attainment, Australia. Annually. Latest issue February 1986	6235.0
Labour Force Status and Other Characteristics of Families. Annually. Latest issue June 1986	6224.0
Labour Mobility. Annually. Latest issue February 1986	6209.0
Migrants in the Labour Force, 1972 to 1976(a)	6230.0
Multiple Jobholding. Two-yearly. Latest issue August 1985	6216.0
Persons Retired from Full-time Work, Australia, September 1983	6238.0
Persons Who Intended to Retire from Full-time Work, Australia, September 1984	6258.0
Persons Aged 15 to 64 Years: Employment Status and Period Since Leaving School, May 1976	6225.0
Persons Not in the Labour Force, Australia. Twice-yearly. Latest issue September 1986	6220.0
Persons who had re-entered the Labour Force, Australia, May 1985	6264.0
Persons Who Have Left the Labour Force, Australia, November 1985	6267.0
Post School Qualifications of Tradesmen and Other Employed Persons, New South Wales, November 1979	6202.1
Retirement and Retirement Intentions, Australia, Summary, November 1986 (previously Persons Retired from Full-time Work, Preliminary)	6237.0
School Leavers, 1970 to 1974: Their Employment Status and Education Experience in May 1975	6226.0
Successful and Unsuccessful Job Search Experience, (previously Methods of Obtaining Jobs) June 1986	6245.0
Superannuation, Australia, February 1974; September to November 1982	6319.0
Survey of Persons Registered with the CES as Unemployed, March 1977	6229.0
The Labour Force: Country of Birth and Period of Residence, February 1972	6207.0
Trade Union Members, November 1976, March-May 1982, August 1986	6325.0
Transition From Education to Work. Annually. Latest issue May 1986	6227.0
Underemployed Workers, May 1985	6265.0
Weekly Earnings of Employees (Distribution). Annually. Latest issue August 1986	6310.0
Work Patterns of Employees, November 1976	6328.0
Working Conditions, February-May 1979	6335.0
Working Hours Arrangements, Australia, February-May 1981	6338.0
Working Hours Arrangements—Supplementary Tables, Australia, February-May 1981	6339.0

(a) Estimates derived from labour force surveys. For more recent estimates, see the relevant tables in this publication.